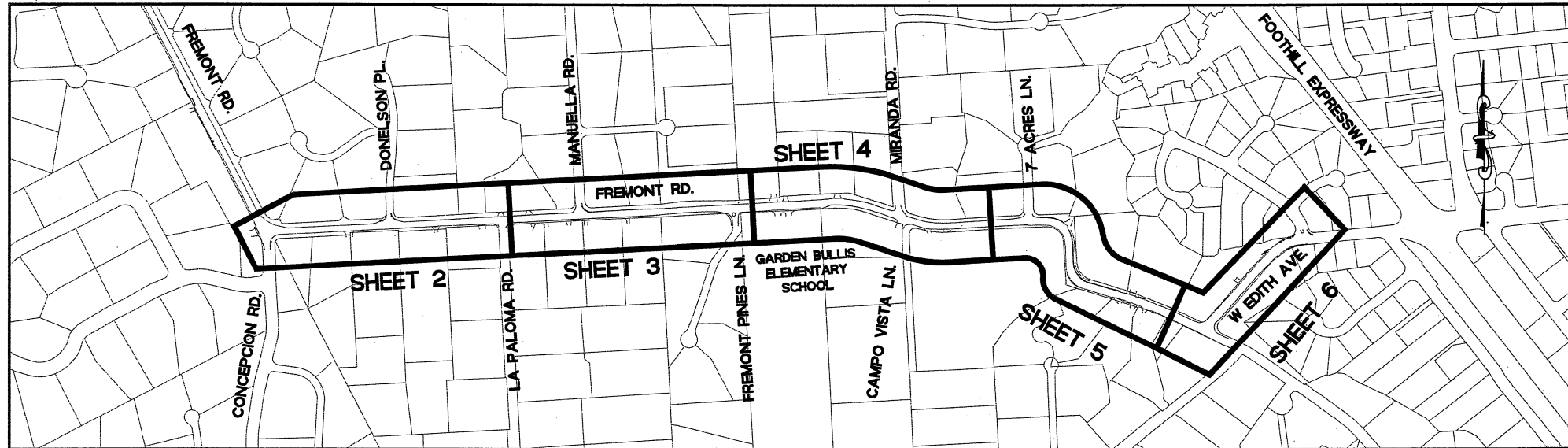


PROJECT PLANS FOR
SAFE ROUTE TO LOS ALTOS HILLS SCHOOLS
RPSTPLE-5324(006), TIP ID - SCL110056
TOWN OF LOS ALTOS HILLS, SANTA CLARA COUNTY, CALIFORNIA



KEY MAP
SCALE 1"=300'

NOTES

1. THE CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD THE OWNER AND DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONJUNCTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF OWNER OR DESIGN PROFESSIONAL.
2. LOCATIONS OF EXISTING UNDERGROUND FACILITY AND UTILITIES SHOWN ARE BASED ON FIELD SURVEY AND/OR AVAILABLE UTILITY COMPANY INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE ACTUAL LOCATION OF UTILITY COMPANY INFORMATION PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (U.S.A.) AT (800)-642-2444 AT LEAST 48 HOURS IN ADVANCE OF ANY EXCAVATING. PHYSICAL VERIFICATION OF UTILITY LOCATION SHALL BE PERFORMED BY POT HOLE OR HAND DIGGING AND CAREFUL SUBSURFACE PROBING IN CONFORMANCE WITH ARTICLE 6 OF THE CAL/OSHA CONSTRUCTION SAFETY ORDERS. ANY DEVIATIONS FROM LOCATIONS SHOWN ON PLANS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION BEFORE STARTING CONSTRUCTION.
3. CONTRACTOR SHALL HAND DIG UTILITY LINES AND BOXES LOCATED WITHIN THE PATHWAY PRIOR TO ANY PATHWAY CONSTRUCTION.
4. THESE PLANS ARE FOR USE WITH THE PROJECT CONTRACT DOCUMENTS AND SPECIAL PROVISIONS FOR THE SAFE ROUTES TO LOS ALTOS HILLS SCHOOLS PROJECT.
5. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ANY AFFECTED UTILITY COMPANY.
6. CONTRACTOR SHALL REPLACE OR REPAIR, AT CONTRACTOR'S EXPENSE, ALL DAMAGED, REMOVED OR OTHERWISE DISTURBED WALLS, FENCES, SERVICES, UTILITIES, IMPROVEMENTS OR FEATURES OF WHATEVER NATURE, TO THEIR ORIGINAL CONDITION, WHETHER ON THE PLANS OR NOT; PROVIDED SUCH REPAIR OR REPLACEMENT IS CAUSED BY CONTRACT WORK OPERATIONS.
7. LIMITS OF PATHWAY ARE SAME AS LIMITS OF WORK UNLESS NOTED OTHERWISE IN PLANS OR SPECIAL PROVISIONS.
8. THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNERS OR OCCUPANTS OF AFFECTED PROPERTIES WITH A WRITTEN NOTICE ONE WEEK PRIOR AND WITH A WRITTEN REMINDER ONE DAY PRIOR TO THE BEGINNING OF CONSTRUCTION, AND NO SEPARATE PAYMENT SHALL BE ALLOWED THEREFOR.
9. THE CONTRACTOR SHALL COORDINATE WITH LOS ALTOS GARBAGE COMPANY FOR CURB SIDE PICK UP.
10. THE CONTRACTOR SHALL PREPARE AND SUBMIT A SAFETY PLAN, TRAFFIC CONTROL PLAN, AND A STORM WATER POLLUTION PREVENTION PLAN, FOR REVIEW AND APPROVAL BY THE ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
AVG	AVERAGE
BC	BEGINNING OF CURVE
BFP	BACKFLOW PREVENTER
BOV	BLOW OFF VALVE
C&G	CURB AND GUTTER
CB	CATCH BASIN
CONT	CONTINUED
CONC	CONCRETE
DG	DECOMPOSED GRANITE
DIA	DIAMETER
DI	DRAIN INLET
DWY	DRIVEWAY
EL	ELECTRICAL
(E)/EX	EXISTING
EA	EACH
EC	END OF CURVE
EP	EDGE OF PAVEMENT
FH	FIRE HYDRANT
FT	FEET
GB	GRADE BREAK
GV	GAS VALVE
HDPE	HIGH DENSITY POLYETHYLENE
LF	LINEAR FEET
LT	LEFT
MAX	MAXIMUM
M	MAIL BOX
MBGR	METAL BEAM GUARD RAIL
MH	MANHOLE
MIN	MINIMUM
MON	MONUMENT
(N)	NEW
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OH	OVERHEAD
PCC	POINT OF COMPOUND CURVE
PCC	PORTLAND CEMENT CONCRETE
PP	POWER POLE
PRC	POINT OF REVERSE CURVE
P.T.	PRESSURE TREATED
RC/R.C.	RELATIVE COMPACTION
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RT	RIGHT
SD	STORM DRAIN
SF	SQUARE FEET
STA	STATION
SY	SQUARE YARD
TA	TELEPHONE
TEL	TELEPHONE

ABBREVIATIONS CONT.

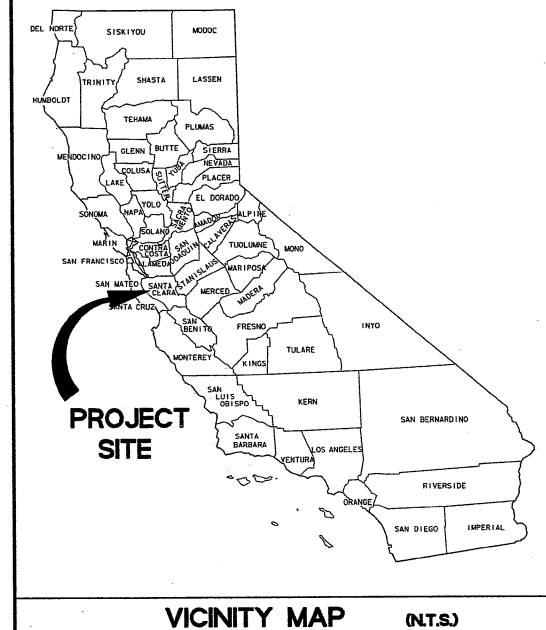
TOC	TOP OF CURVE
TOD	TOP OF DIKE
TYP	TYPICAL
USA	UNDERGROUND SERVICE ALERT
WM	WATER METER
WV	WATER VALVE
WVLT	WATER VAULT

CALL TWO WORKING DAYS
BEFORE YOU DIG
IN CALIFORNIA,
NEVADA AND HAWAII
1-800-227-2600
UNDERGROUND SERVICE ALERT

LEGEND

EXISTING PROPOSED

	STORM DRAIN INLET
	STORM DRAIN MANHOLE
	SANITARY SEWER MANHOLE
	WATER VALVE
	FIRE HYDRANT
	MONUMENT
	POWER POLE/UTILITY POLE
	MAIL BOX
	WATER METER
	LIGHT
	SIGN
	BENCHMARK
	ELECTRICAL BOX
	DETAIL NO.
	DECOMPOSED GRANITE
	PERVIOUS CONCRETE
	OVERHEAD LINE



SHEET NUMBERS AND TITLES

1. TITLE SHEET
2. IMPROVEMENT PLAN, STA 60+00 TO 70+00
3. IMPROVEMENT PLAN, STA 70+00 TO 80+00
4. IMPROVEMENT PLAN, STA 80+00 TO 90+00
5. IMPROVEMENT PLAN, STA 90+00 TO 99+50
6. IMPROVEMENT PLAN, STA 99+50 TO 105+50
7. CONSTRUCTION DETAILS
8. CONSTRUCTION DETAILS
9. CONSTRUCTION DETAILS
10. CONSTRUCTION DETAILS
- L1. PLANTING AND IRRIGATION, STA 60+00 TO 70+00
- L2. PLANTING AND IRRIGATION, STA 70+00 TO 80+00
- L3. PLANTING AND IRRIGATION, STA 80+00 TO 90+00
- L4. PLANTING AND IRRIGATION, STA 90+00 TO 99+50
- L5. PLANTING AND IRRIGATION, STA 99+50 TO 105+50
- L6. PLANTING AND IRRIGATION DETAILS

TOWN OF LOS ALTOS HILLS

Richard Chiu, Jr. DATE: 7-11-12
RICHARD CHIU, JR. R.C.E. 55414, EXPIRES 12/31/12

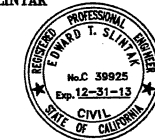


PLANS PREPARED UNDER MY SUPERVISION

BR Anderson DATE: 7/10/12
BRUCE R. ANDERSON R.L.A. 2223, EXPIRES 09/30/12



Ed Slintak DATE: 7/11/12
EDWARD T. SLINTAK R.C.E. 39925, EXPIRES 12/31/13



TITLE SHEET

SAFE ROUTE TO
LOS ALTOS HILLS
SCHOOLS
LOS ALTOS HILLS, CALIFORNIA

REVISIONS

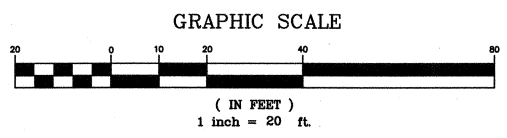
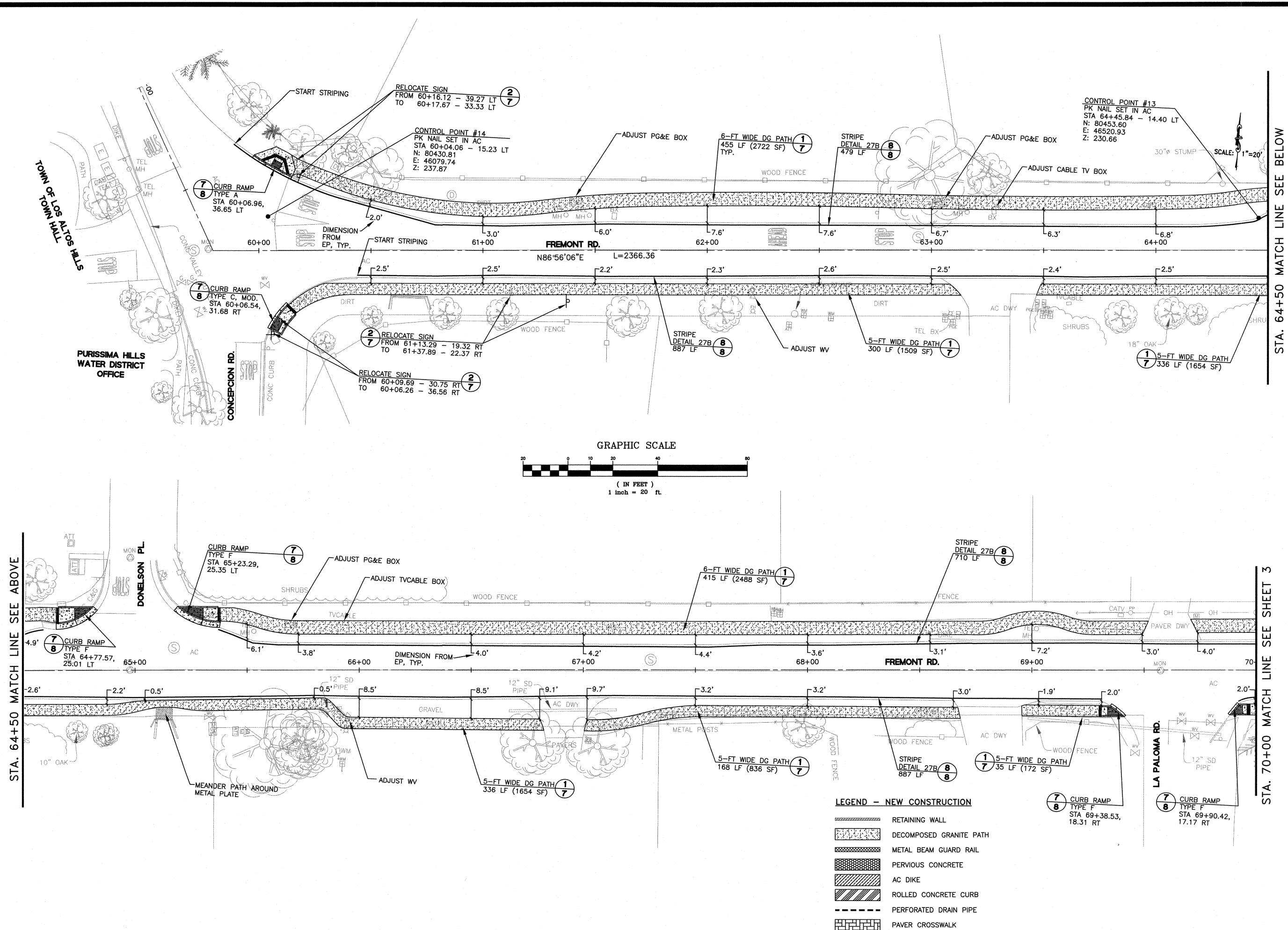
NO.	DATE	DESCRIPTION

ON A FULL-SCALE DRAWING,
LENGTH OF BAR BELOW IS 1-INCH.
IF BAR MEASURES LESS THAN
1-INCH, THIS SHEET WAS PLOTTED
AT A REDUCED SCALE, WHICH
MAY REQUIRE ADJUSTMENT OF
SCALE(S) SHOWN ON DRAWING.

PROJECT	DATE
11-321	JUNE 11, 2012
DRAWN BY	CHECKED BY
DD/JG	ES/AC

SHEET NO.

1 OF 16



STA. 64+50 MATCH LINE SEE BELOW

STA. 64+50 MATCH LINE SEE ABOVE

STA. 70+00 MATCH LINE SEE SHEET 3

LEGEND - NEW CONSTRUCTION

- RETAINING WALL
- DECOMPOSED GRANITE PATH
- METAL BEAM GUARD RAIL
- PERVIOUS CONCRETE
- AC DIKE
- ROLLED CONCRETE CURB
- PERFORATED DRAIN PIPE
- PAVER CROSSWALK



IMPROVEMENT PLAN
STA 60+00 TO 70+00

SAFE ROUTE TO
LOS ALTOS HILLS
SCHOOLS
LOS ALTOS HILLS, CALIFORNIA

REVISIONS		
NO.	DATE	DESCRIPTION

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PROJECT 11-321	DATE JUNE 11, 2012
DRAWN BY DD/JG	CHECKED BY ES/AC

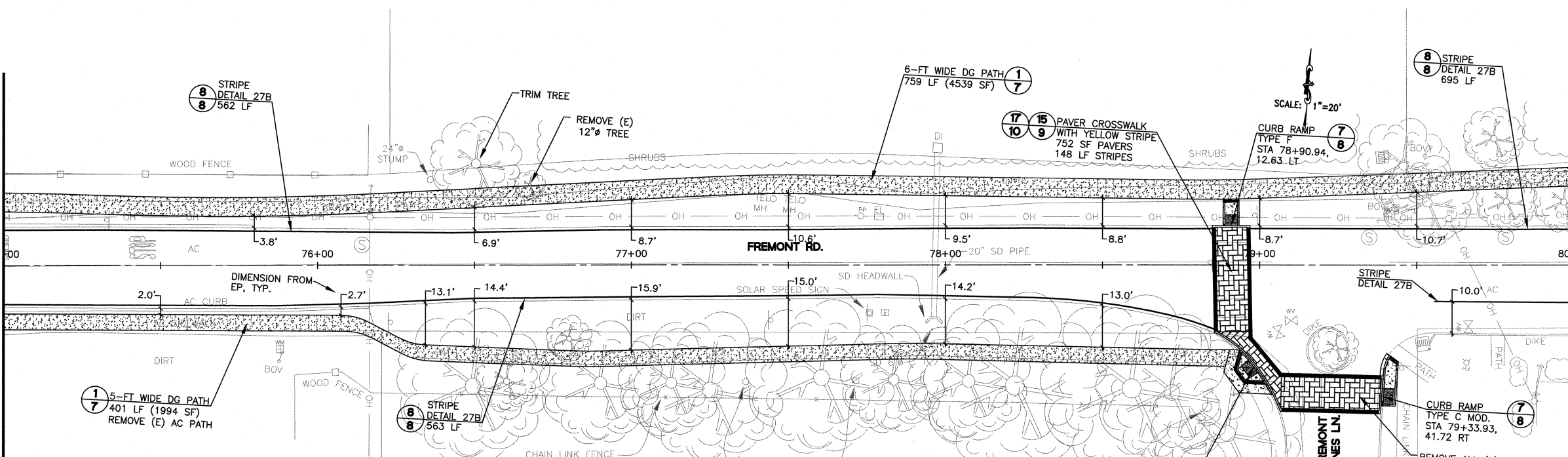
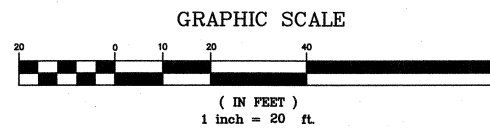
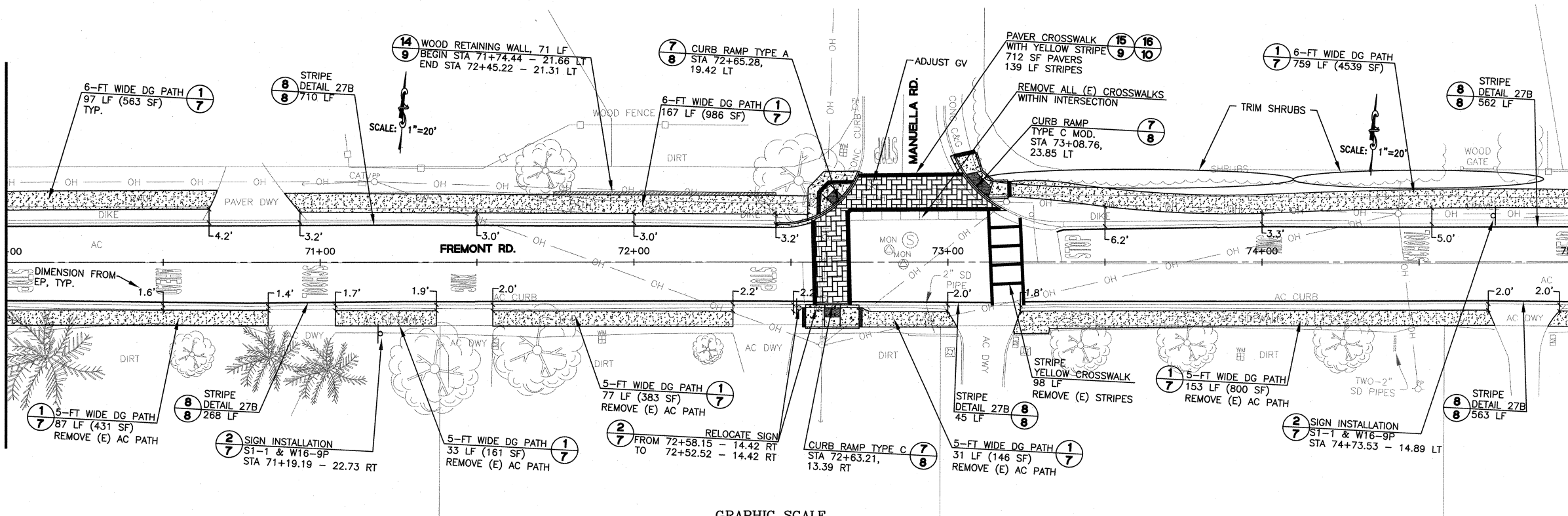
SHEET NO.

STA. 70+00 MATCH LINE SEE SHEET 2

STA. 75+00 MATCH LINE SEE BELOW

STA. 75+00 MATCH LINE SEE ABOVE

STA. 80+00 MATCH LINE SEE SHEET 4



- LEGEND - NEW CONSTRUCTION**
- RETAINING WALL
 - DECOMPOSED GRANITE PATH
 - METAL BEAM GUARD RAIL
 - PERVIOUS CONCRETE
 - AC DIKE
 - ROLLED CONCRETE CURB
 - PERFORATED DRAIN PIPE
 - PAVER CROSSWALK

IMPROVEMENT PLAN
STA 70+00 TO 80+00

SAFE ROUTE TO
LOS ALTOS HILLS
SCHOOLS
LOS ALTOS HILLS, CALIFORNIA

REVISIONS		
NO.	DATE	DESCRIPTION

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PROJECT	DATE
11-321	JUNE 11, 2012
DRAWN BY	CHECKED BY
DD/JG	ES/AC

SHEET NO.



**IMPROVEMENT PLAN
STA 80+00 TO 90+00**

SAFE ROUTE TO
LOS ALTOS HILLS
SCHOOLS
LOS ALTOS HILLS, CALIFORNIA

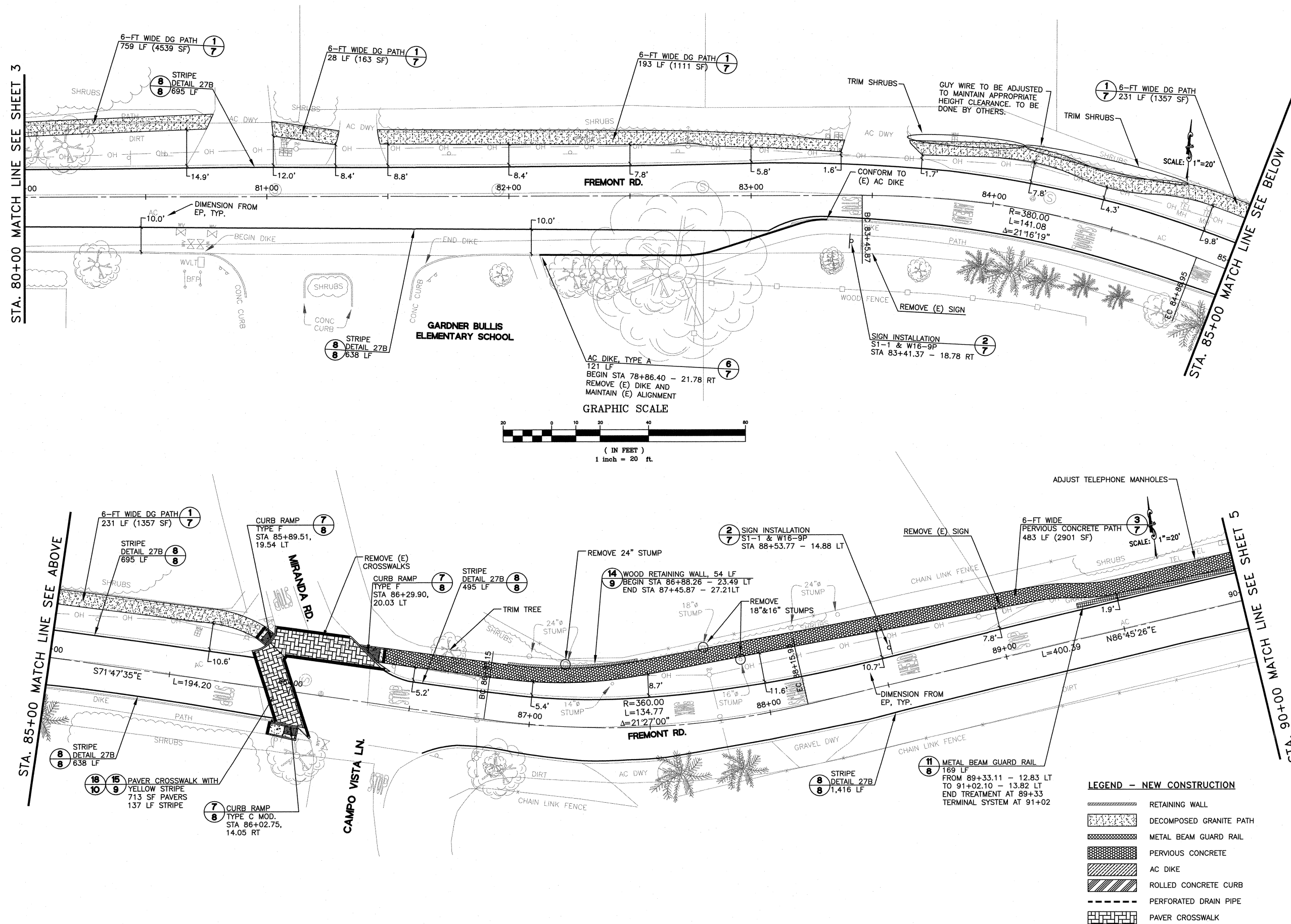
REVISIONS		
NO.	DATE	DESCRIPTION

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PROJECT 11-321	DATE JUNE 11, 2012
DRAWN BY DD/JG	CHECKED BY ES/AC

SHEET NO.

4 OF 16





**IMPROVEMENT PLAN
STA 90+00 TO 99+50**

SAFE ROUTE TO
LOS ALTOS HILLS
SCHOOLS
LOS ALTOS HILLS, CALIFORNIA

REVISIONS

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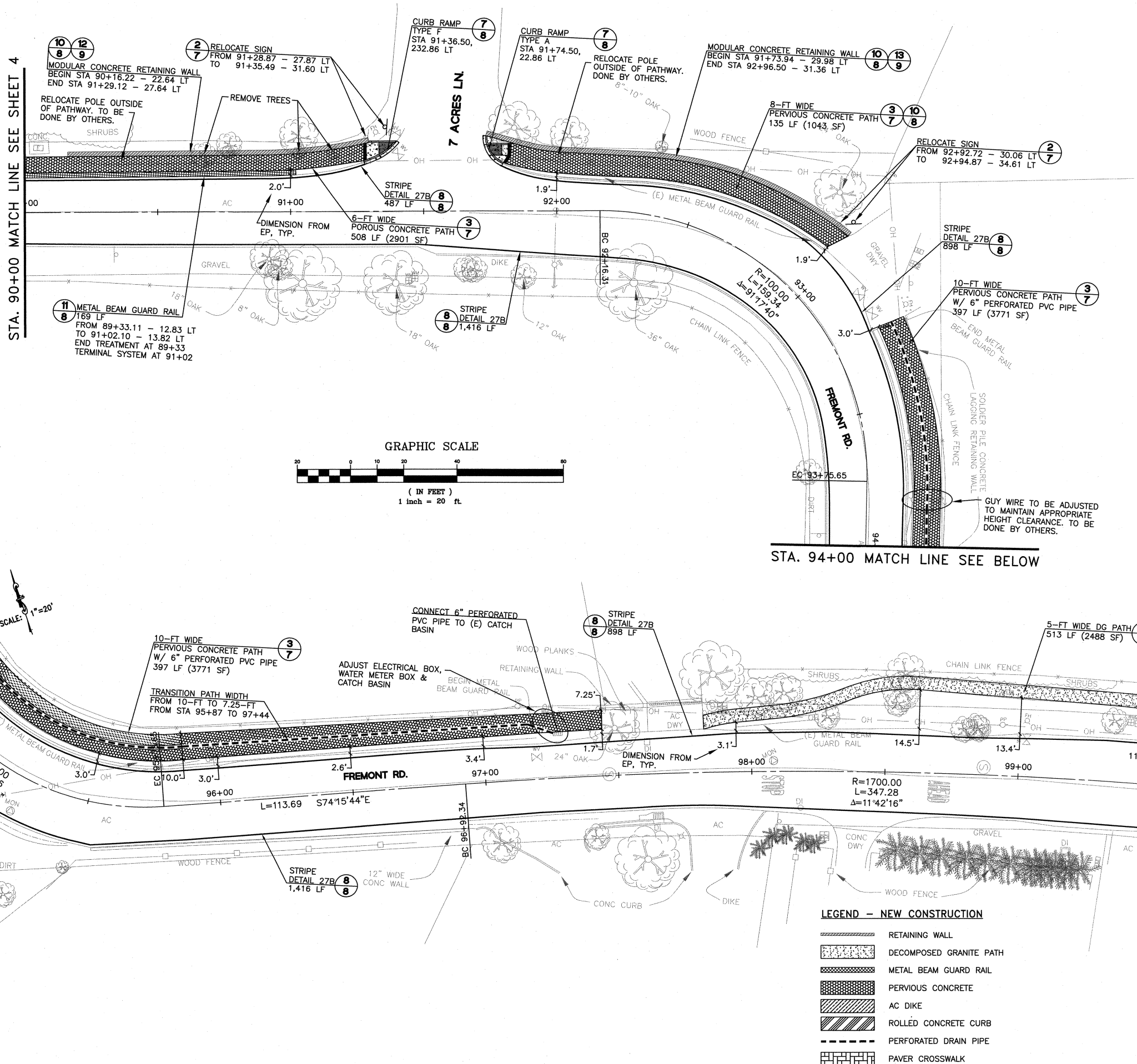
PROJECT 11-321	DATE JUNE 11, 2012
DRAWN BY DD/JG	CHECKED BY ES/AC

SHEET NO.

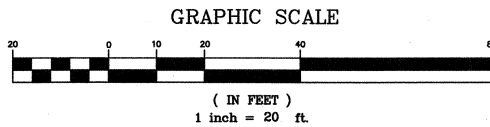
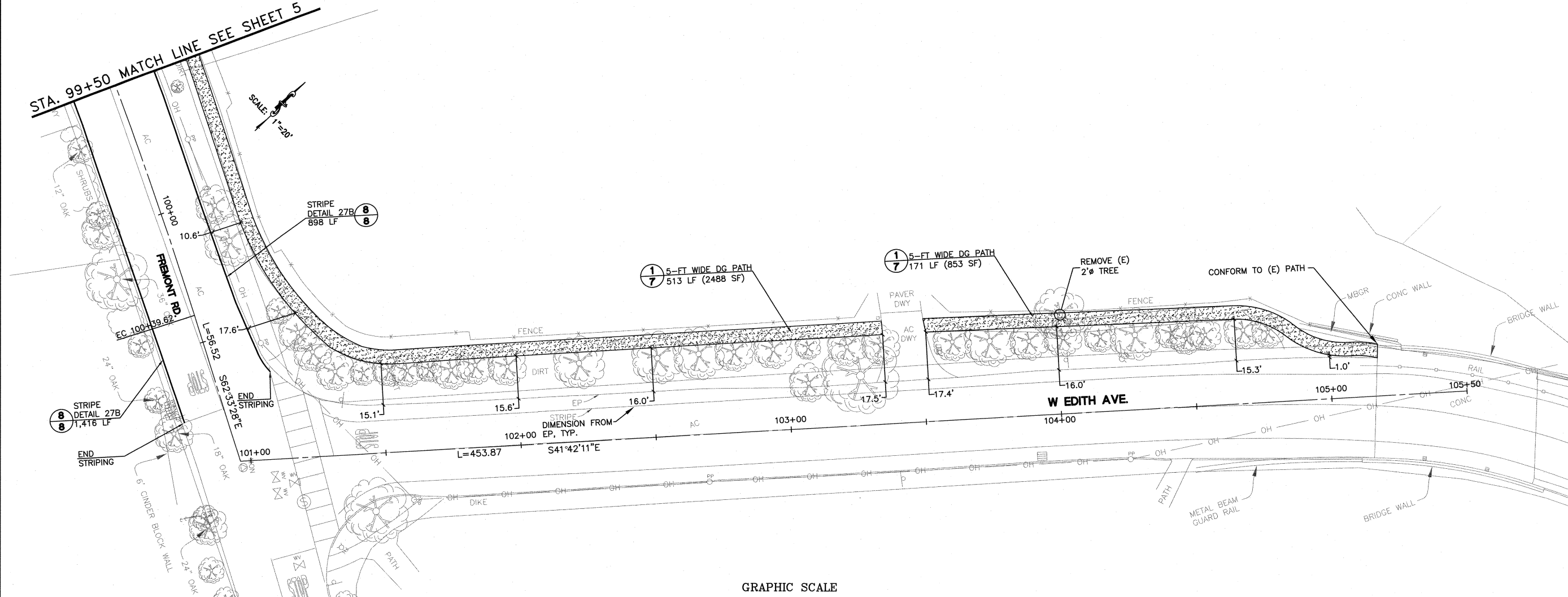
STA. 94+00 MATCH LINE SEE ABOVE

STA. 94+00 MATCH LINE SEE BELOW

STA. 99+50 MATCH LINE SEE SHEET 6

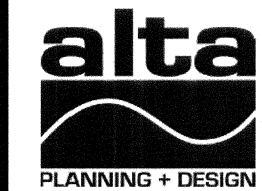


STA. 99+50 MATCH LINE SEE SHEET 5



LEGEND -- NEW CONSTRUCTION

- RETAINING WALL
- DECOMPOSED GRANITE PATH
- METAL BEAM GUARD RAIL
- PERVIOUS CONCRETE
- AC DIKE
- ROLLED CONCRETE CURB
- PERFORATED DRAIN PIPE
- PAVER CROSSWALK



IMPROVEMENT PLAN
STA 99+50 TO 105+50

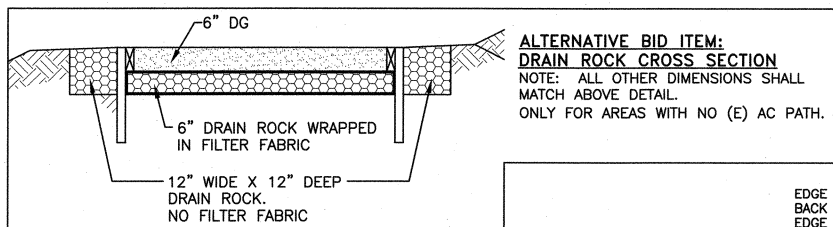
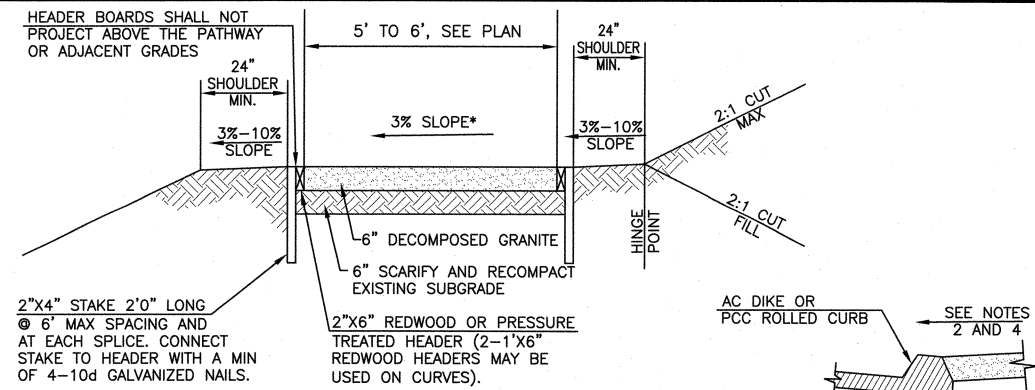
SAFE ROUTE TO
LOS ALTOS HILLS
SCHOOLS
LOS ALTOS HILLS, CALIFORNIA

REVISIONS		
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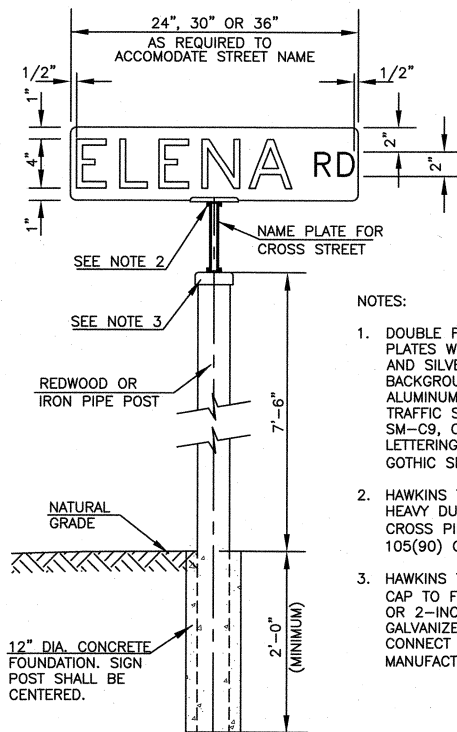
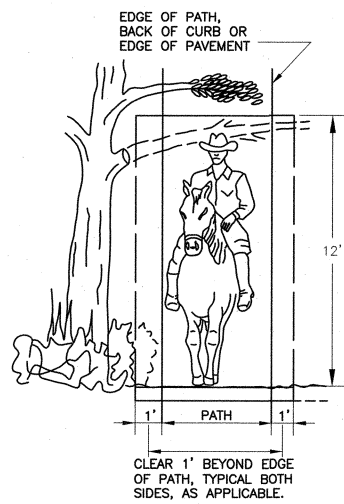
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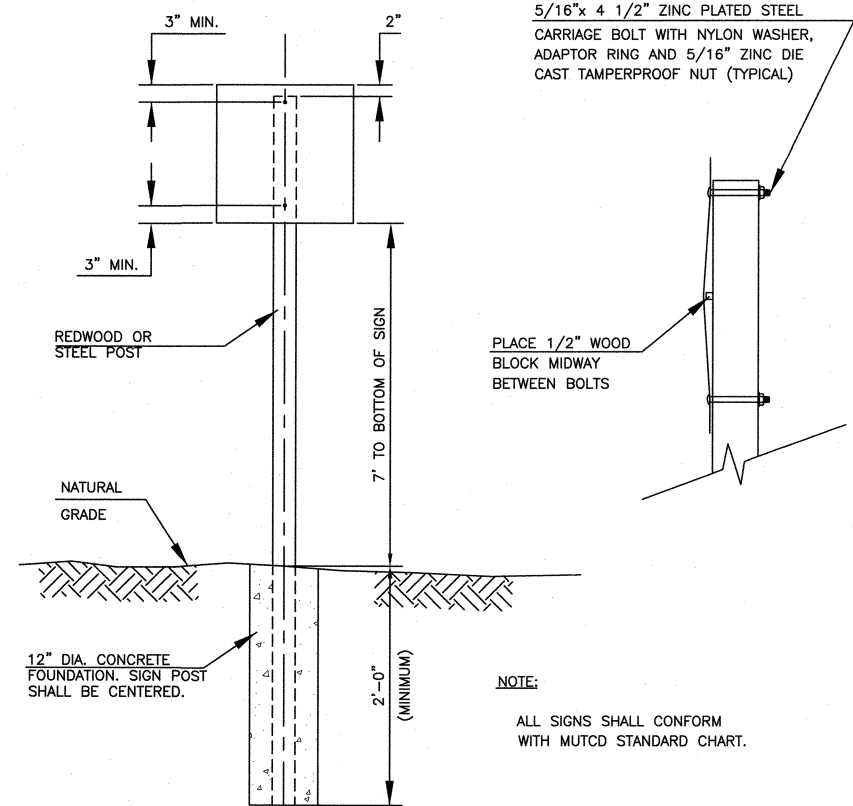
- DECOMPOSED GRANITE PATH, PATH SUBGRADE, AND SHOULDERS SHALL BE COMPACTED TO 95% RELATIVE DENSITY.
- 5% MAXIMUM IF APPROVED BY THE CITY ENGINEER. PATHWAY AND SHOULDER CROSS SLOPES SHALL DRAIN TOWARD OR AWAY FROM THE ADJACENT ROAD AS APPROVED BY THE CITY ENGINEER.
- NEW UTILITY BOXES, SERVICE METERS, MANHOLES, MAIL BOXES, FIRE HYDRANTS AND ALL OTHER OBSTRUCTIONS SHALL NOT BE ALLOWED WITHIN THE PATHWAY. PATHWAYS MAY MEANDER AROUND EXISTING UTILITY POLES, FIRE HYDRANTS AND MAIL BOXES WHERE FEASIBLE. EXISTING UTILITY BOXES AND MANHOLES WITHIN THE PATHWAY SHALL BE RAISED FLUSH TO FINISHED GRADE OF PATHWAY.
- HEADER BOARDS MAY BE OMITTED ON THE SIDE OF THE PATHWAY IMMEDIATELY ADJACENT TO BERM AND CURBS.
- DECOMPOSED GRANITE SHALL BE MIXED WITH SOLIDIFYING EMULSION TO HARDEN AND STABILIZE THE PATHWAY SURFACE MATERIAL.

1 ROADSIDE PATH N.T.S.

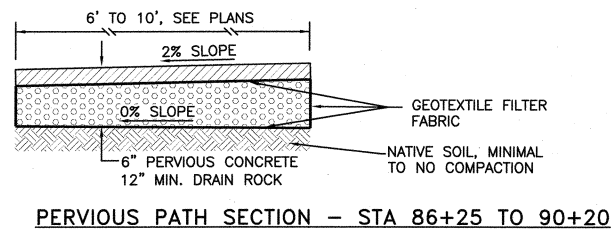


STREET NAME SIGN (N.T.S.)

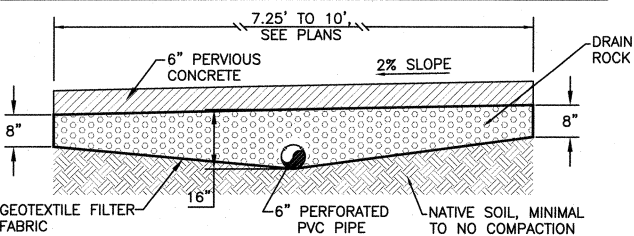
2 SIGN RELOCATION/INSTALLATION N.T.S.



STREET SIGN (N.T.S.)



PERVIOUS PATH SECTION - STA 86+25 TO 90+20



PERVIOUS PATH SECTION - STA 93+25 TO 97+45

FOR PATH SECTION STA 90+20 TO 92+97, SEE DETAIL 13

PERVIOUS CONCRETE:

- CONCRETE MIX DESIGN SHALL BE APPROVED BY ENGINEER
- AGGREGATE SHALL BE TRIPLE WASHED TO REMOVE FINES
- COMPRESSIVE STRENGTH: 2500 PSI

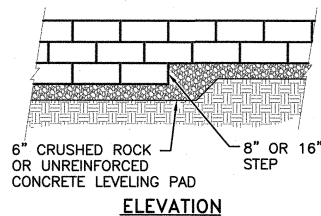
DRAIN ROCK:

- UNIFORMLY GRADED CLEAN CRUSHED ROCK - 1" SIZE INSTALLED IN SINGLE LIFT, COMPACTED WITH A SINGLE PASS OF 8-TON ROLLER

FILTER FABRIC:

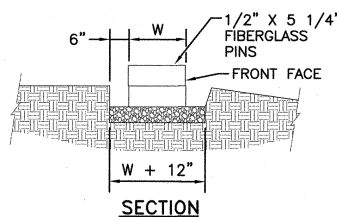
- NON-WOVEN GEOTEXTILE COMPOSED OF POLYPROPYLENE FIBERS. MIRAFI 160N OR APPROVED EQUAL
- OVERLAP ADJACENT STRIPS OF FILTER FABRIC AT LEAST 16". FABRIC TO RUN DOWN EACH SIDE OF THE DRAIN ROCK.

3 PERVIOUS CONCRETE PATH N.T.S.

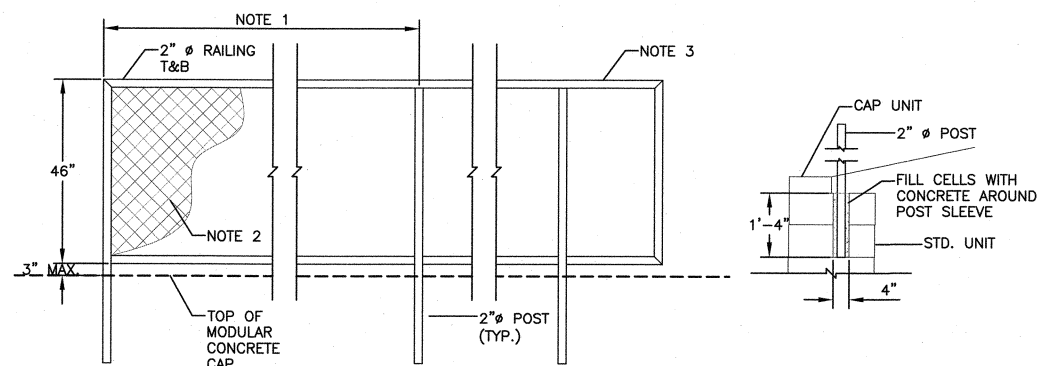


NOTE:

- THE LEVELING PAD IS TO BE CONSTRUCTED OF CLASS II AB PER PROJECT SPECIFICATIONS



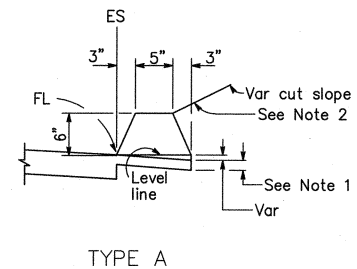
4 STANDARD LEVELING PAD N.T.S.



NOTE:

- CENTER TO CENTER SPACING OF POSTS TO BE 7'-6" TYPICAL OR EVEN MULTIPLES OF 1'-6".
- BLACK VINYL COATED 42" HIGH CHAIN LINK FENCE FABRIC.
- CANTILEVER SECTION USED TO CLOSE GAPS BETWEEN RAILING SECTIONS, 4'-0" MAX. LENGTH. GAP BETWEEN RAILING SECTION TO BE LESS THAN 4". AT CHANGES IN DIRECTION OF RAIL, ANGLE CANTILEVER PIECE AS REQUIRED TO CLOSE GAP.
- BEVEL OUTSIDE JOINTS AS SHOWN. WELD ALL JOINTS AND GRIND SMOOTH.
- RAILING SECTIONS TO BE SHOP FABRICATED AND GALVANIZED.

5 TYPICAL RAILING SECTION N.T.S.



TYPE A

NOTES:

- For AC shoulders only, extend top layer of AC placed on the shoulder under dike with no joint at the ES.
- Fill and compact with excavated material to top of dike.

DIKE QUANTITIES

TYPE	CUBIC YARDS PER LINEAR FOOT
A	0.0135
D	0.0293

Quantities based on 5% cross slope.

6 AC DIKE, CALTRANS TYPE A N.T.S.

CONSTRUCTION DETAILS

SAFE ROUTE TO LOS ALTOS HILLS SCHOOLS LOS ALTOS HILLS, CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION

ON A FULL-SCALE DRAWING, LENGTH OF BAR BELOW IS 1-INCH. IF BAR MEASURES LESS THAN 1-INCH, THIS SHEET WAS PLOTTED AT A REDUCED SCALE, WHICH MAY REQUIRE ADJUSTMENT OF SCALE(S) SHOWN ON DRAWING.

PROJECT	DATE
11-321	JUNE 11, 2012
DRAWN BY	CHECKED BY
DD/JG	ES/AC

**CONSTRUCTION
DETAILS**

SAFE ROUTE TO
LOS ALTOS HILLS
SCHOOLS
LOS ALTOS HILLS, CALIFORNIA

REVISIONS

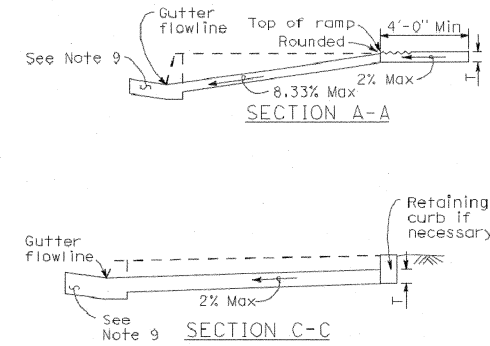
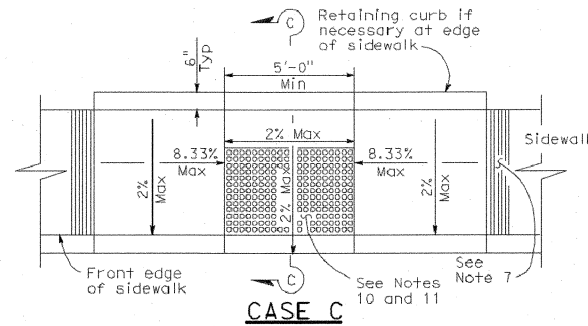
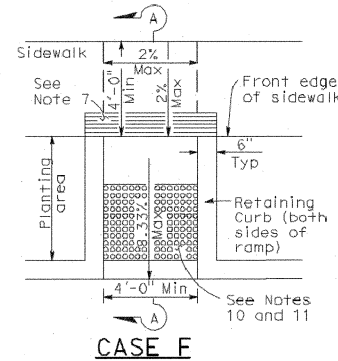
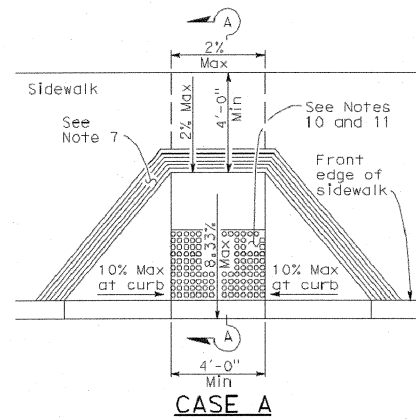
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SHEET NO.

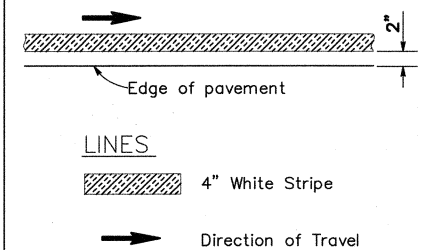
8 OF 16



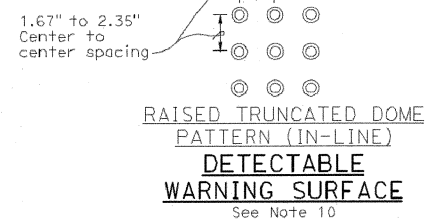
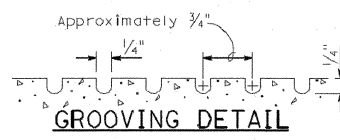
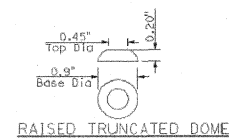
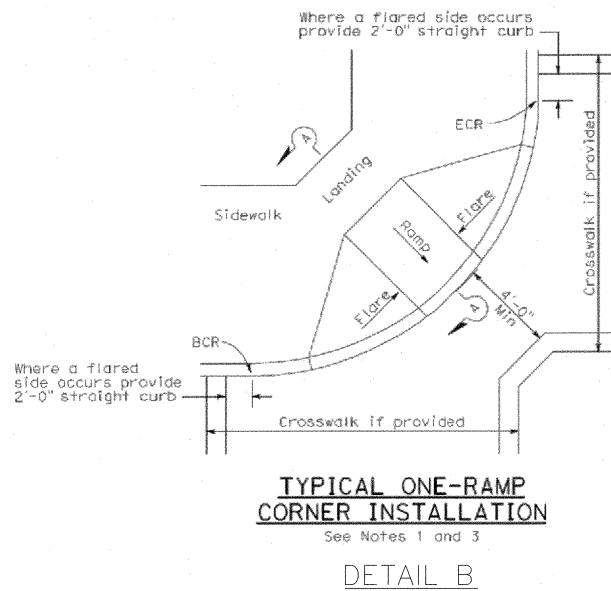
NOTES:

- AS SITE CONDITIONS DICTATE, CASE A CURB RAMPS MAY BE USED FOR CORNER INSTALLATIONS SIMILAR TO THOSE SHOWN IN DETAIL B.
- NOT USED.
- WHEN RAMP IS LOCATED IN CENTER OF CURB RETURN, CROSSWALK CONFIGURATION MUST BE SIMILAR TO THAT SHOWN IN DETAIL B.
- NOT USED.
- IF LOCATED ON A CURVE, THE SIDES OF THE RAMP NEED NOT BE PARALLEL, BUT THE MINIMUM WIDTH OF THE RAMP SHALL BE 4'-0".
- SIDE SLOPE OF RAMP FLARES VARY UNIFORMLY FROM A MAXIMUM OF 10% AT CURB TO CONFORM WITH LONGITUDINAL SIDEWALK SLOPE ADJACENT TO TOP OF THE RAMP, EXCEPT IN CASE C AND CASE F.
- THE CURB RAMP SHALL BE OUTLINED, AS SHOWN, WITH 1'-0" WIDE BORDER WITH 1/2" GROOVES APPROXIMATELY 1/4" ON CENTER. SEE GROOVING DETAIL.
- TRANSITIONS FROM RAMPS AND LANDING TO WALKS, GUTTERS OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES.
- MAXIMUM SLOPES OF ADJOINING GUTTERS, THE ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP OR ACCESSIBLE ROUTE SHALL NOT EXCEED 5% WITHIN 4'-0" OF THE TOP AND BOTTOM OF THE CURB RAMP.
- CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 3'-0" DEPTH OF THE RAMP. DETECTABLE WARNING SURFACES SHALL CONFORM TO THE DETAILS ON THE PLAN AND THE REQUIREMENTS IN THE SPECIAL PROVISIONS OF THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS.
- THE EDGE OF THE DETECTABLE WARNING SURFACE NEAREST THE STREET SHALL BE BETWEEN 6" AND 8" FROM THE GUTTER FLOWLINE.
- SIDEWALK AND RAMP THICKNESS, "T", SHALL BE 3 1/2" MINIMUM.
- UTILITY PULL BOXES, MANHOLES, VAULTS AND ALL OTHER UTILITY FACILITIES WITHIN THE BOUNDARIES OF THE CURB RAMP WILL BE RELOCATED OR ADJUSTED TO GRADE BY THE OWNER PRIOR TO, OR IN CONJUNCTION WITH, CURB RAMP CONSTRUCTION.

DETAIL 27B



8 STRIPING DETAIL 27B
NT.S.

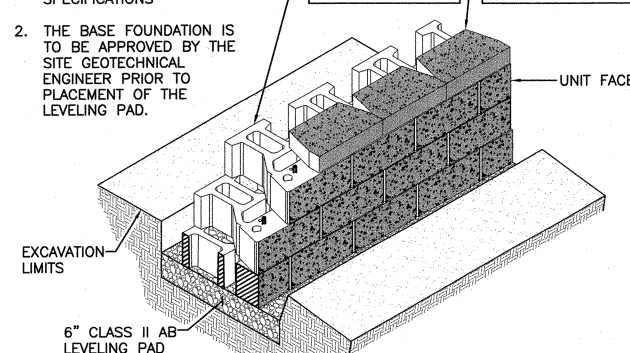


7 CURB RAMP DETAILS
NT.S.

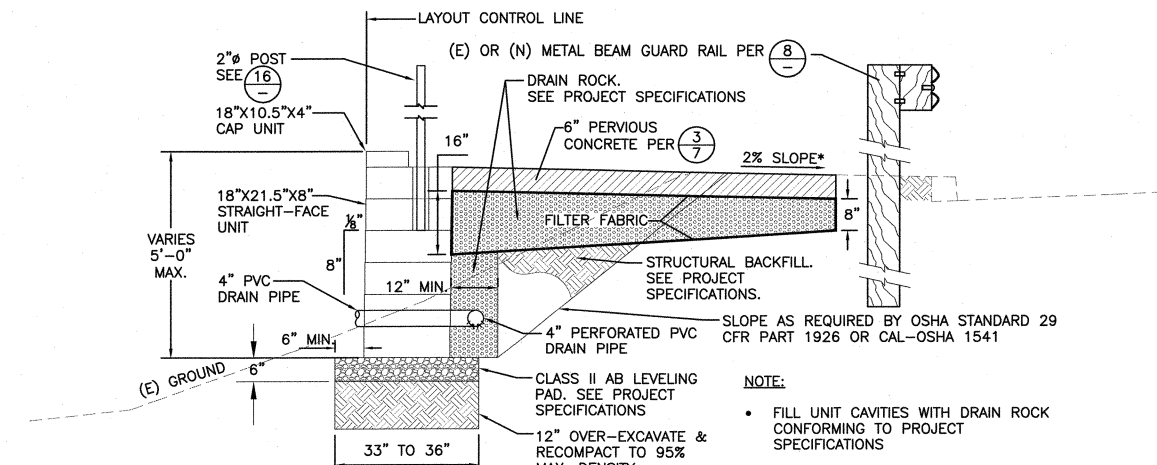
BASE LEVELING PAD NOTES:

- THE LEVELING PAD IS TO BE CONSTRUCTED OF CLASS II AB PER PROJECT SPECIFICATIONS
- THE BASE FOUNDATION IS TO BE APPROVED BY THE SITE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF THE LEVELING PAD.

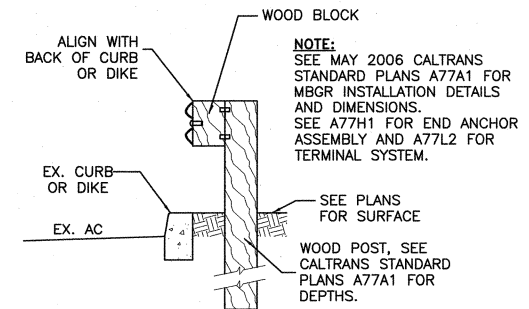
STANDARD UNIT	CAP UNIT
WIDTH: 18"	WIDTH: 18"
*DEPTH: 21 1/2"	*DEPTH: 10 1/2"
HEIGHT: 8"	HEIGHT: 4"
*WEIGHT: 125 lbs	*WEIGHT: 50 lbs



9 STANDARD UNIT/BASE PAD
NT.S.



10 TYPICAL MODULAR CONCRETE WALL SECTION
NT.S.



11 METAL BEAM GUARD RAIL
NT.S.



CONSTRUCTION DETAILS

SAFE ROUTE TO
LOS ALTOS HILLS
SCHOOLS
LOS ALTOS HILLS, CALIFORNIA

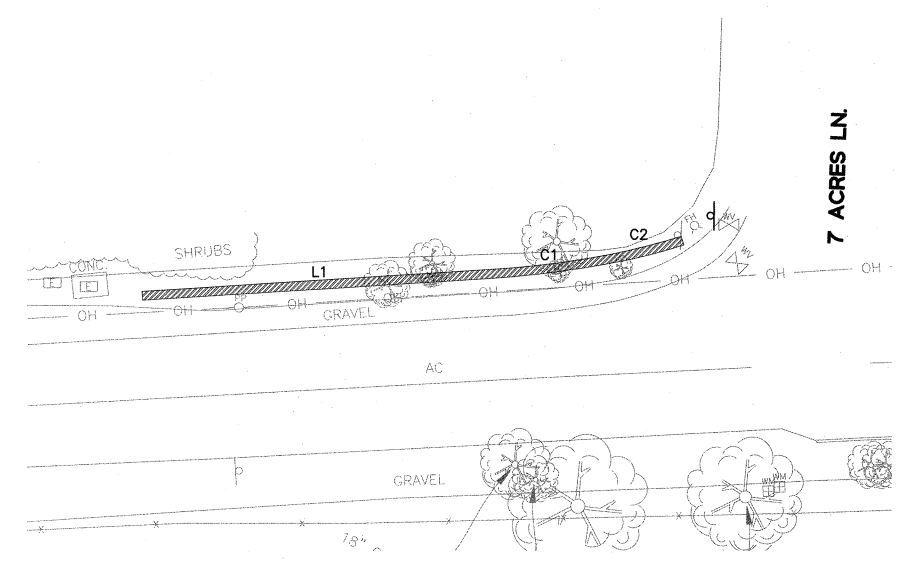
REVISIONS		
NO.	DATE	DESCRIPTION

ON A FULL-SCALE DRAWING, LENGTH OF BAR BELOW IS 1-INCH. IF BAR MEASURES LESS THAN 1-INCH, THIS SHEET WAS PLOTTED AT A REDUCED SCALE, WHICH MAY REQUIRE ADJUSTMENT OF SCALE(S) SHOWN ON DRAWING.

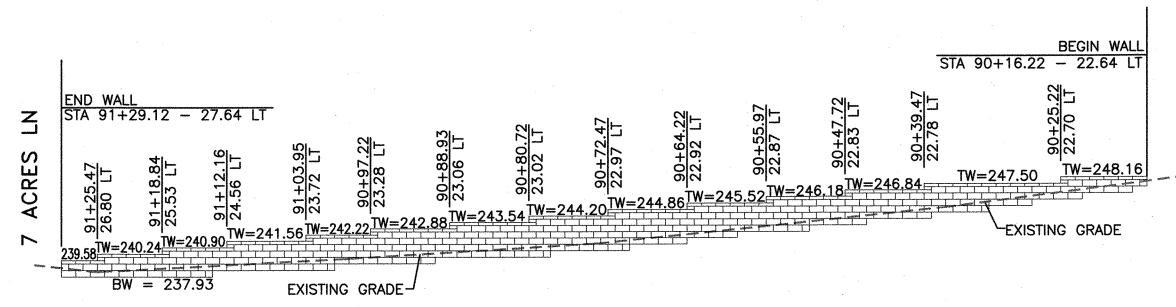
PROJECT 11-321	DATE JUNE 11, 2012
DRAWN BY DD/JG	CHECKED BY ES/AC

LINE TABLE		
LINE	LENGTH	BEARING
L1	72.70	N86°25'35"E

CURVE TABLE		
CURVE	LENGTH	RADIUS
C1	25.03	198.71
C2	15.52	142.25



HORIZONTAL CONTROL DATA
N.T.S.

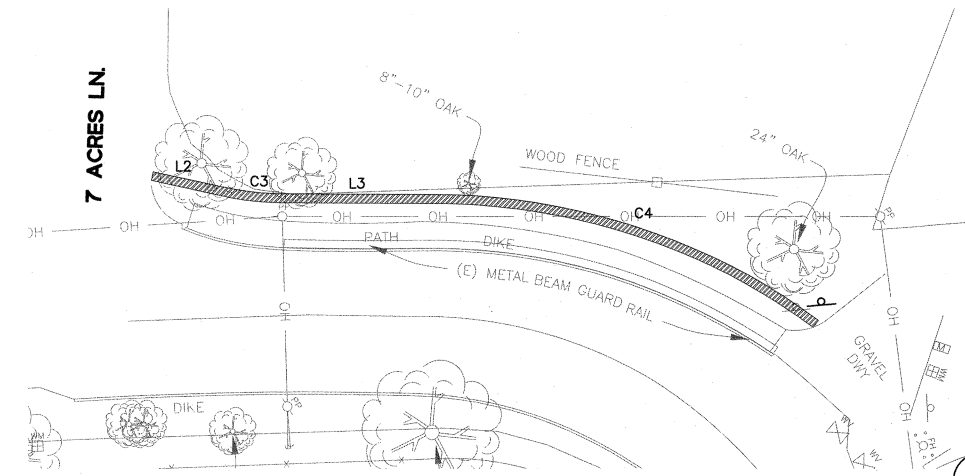


ELEVATION
N.T.S.

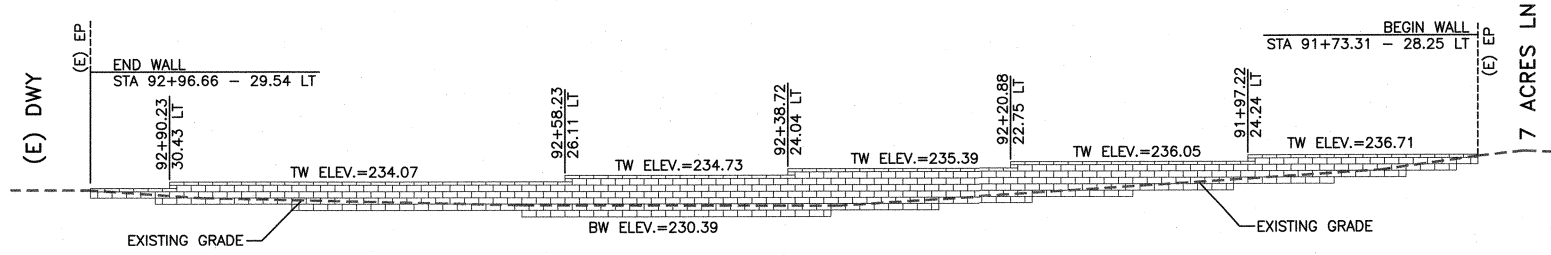
12
MODULAR CONCRETE RETAINING WALL
WEST OF 7 ACRES LN - STA 90+16 TO 91+30
N.T.S.

LINE TABLE		
LINE	LENGTH	BEARING
L2	14.87	S77°48'07"E
L3	31.62	S89°47'37"

CURVE TABLE		
CURVE	LENGTH	RADIUS
C3	13.10	62.59
C4	85.17	135.62

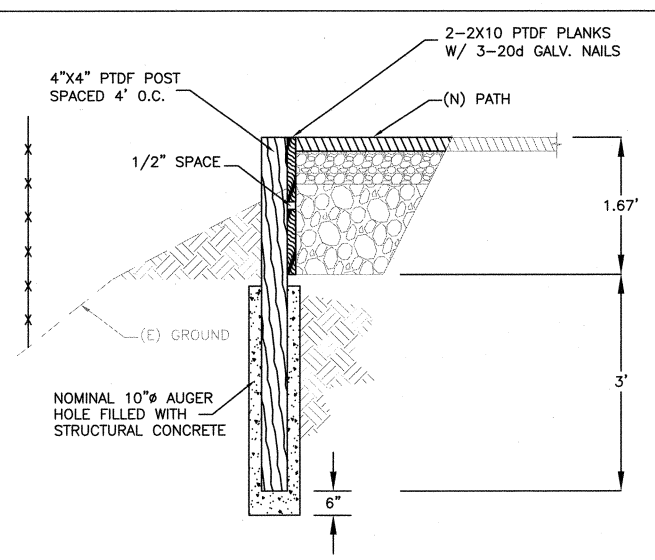


HORIZONTAL CONTROL DATA
N.T.S.

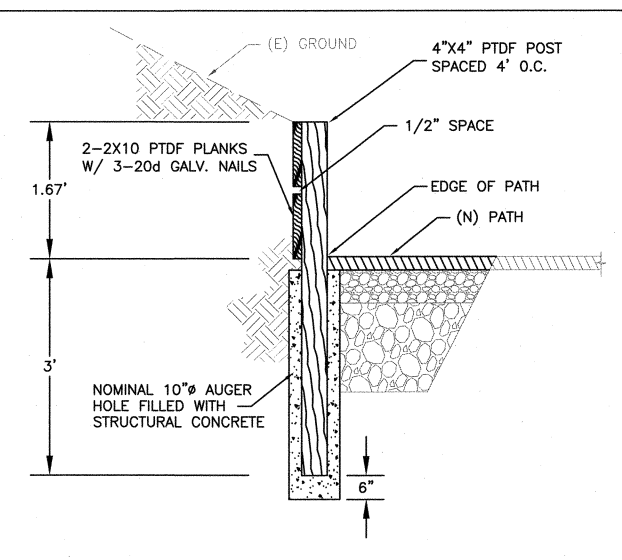


ELEVATION
N.T.S.

13
MODULAR CONCRETE RETAINING WALL
EAST OF 7 ACRES LN - STA 91+73 TO 92+97
N.T.S.

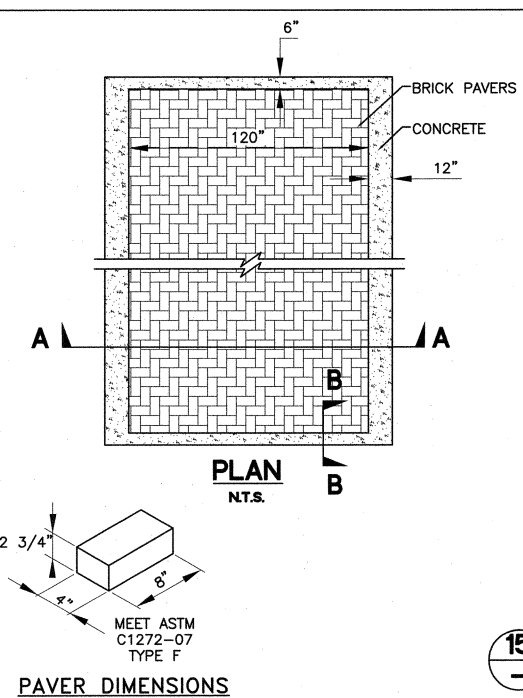


SECTION A-A
STATION 71+74 TO 72+45

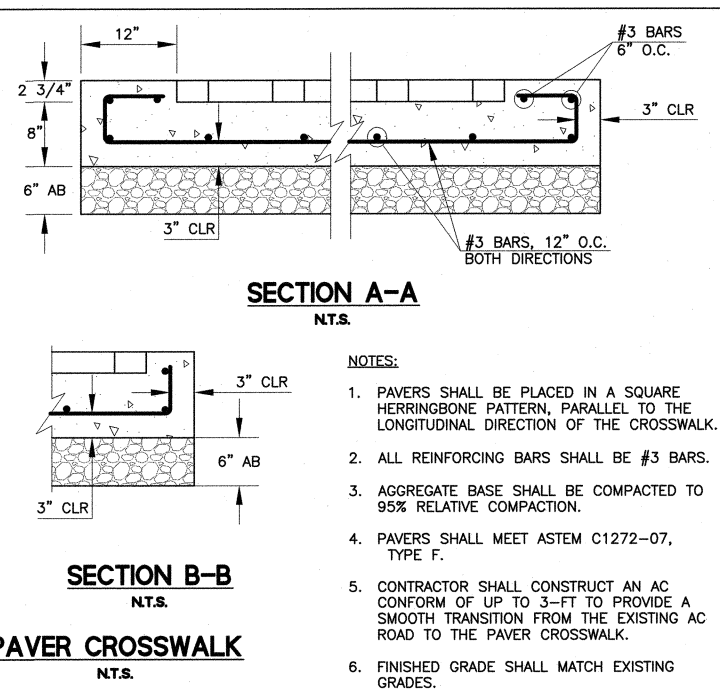


SECTION B-B
STATION 86+88 TO 87+46

14
WOOD RETAINING WALL
N.T.S.



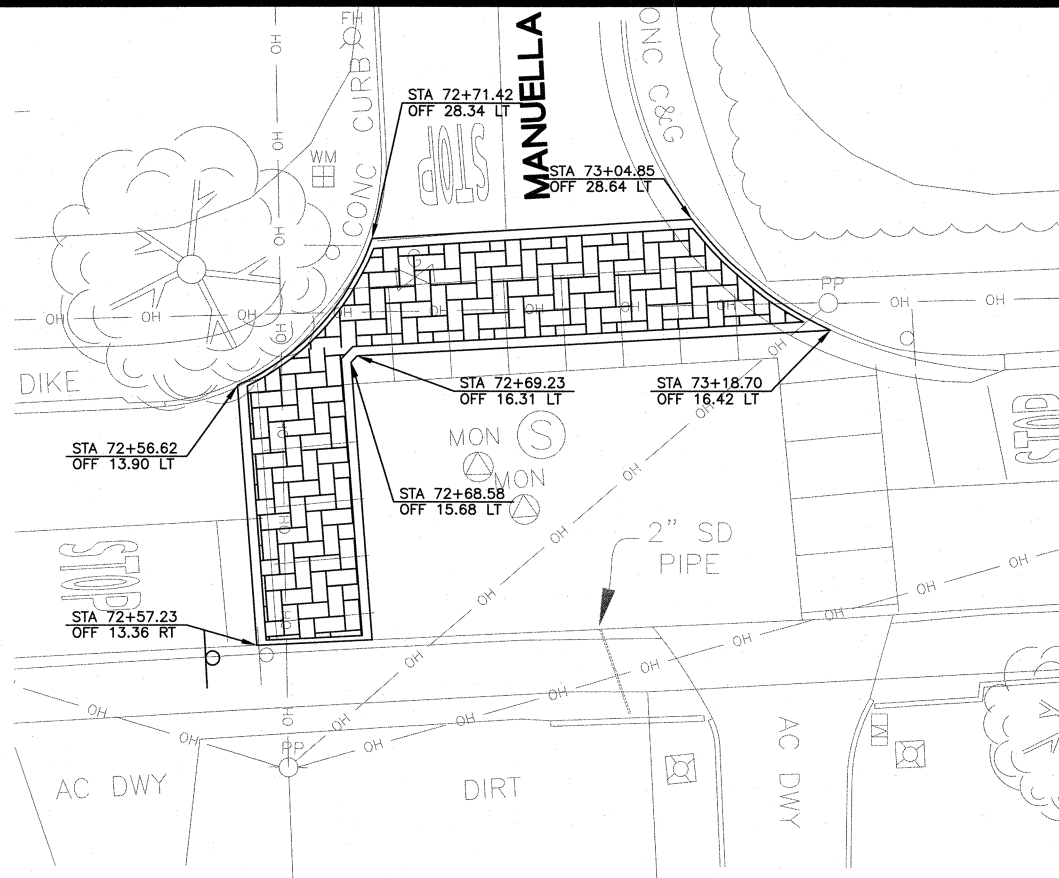
PLAN
N.T.S.



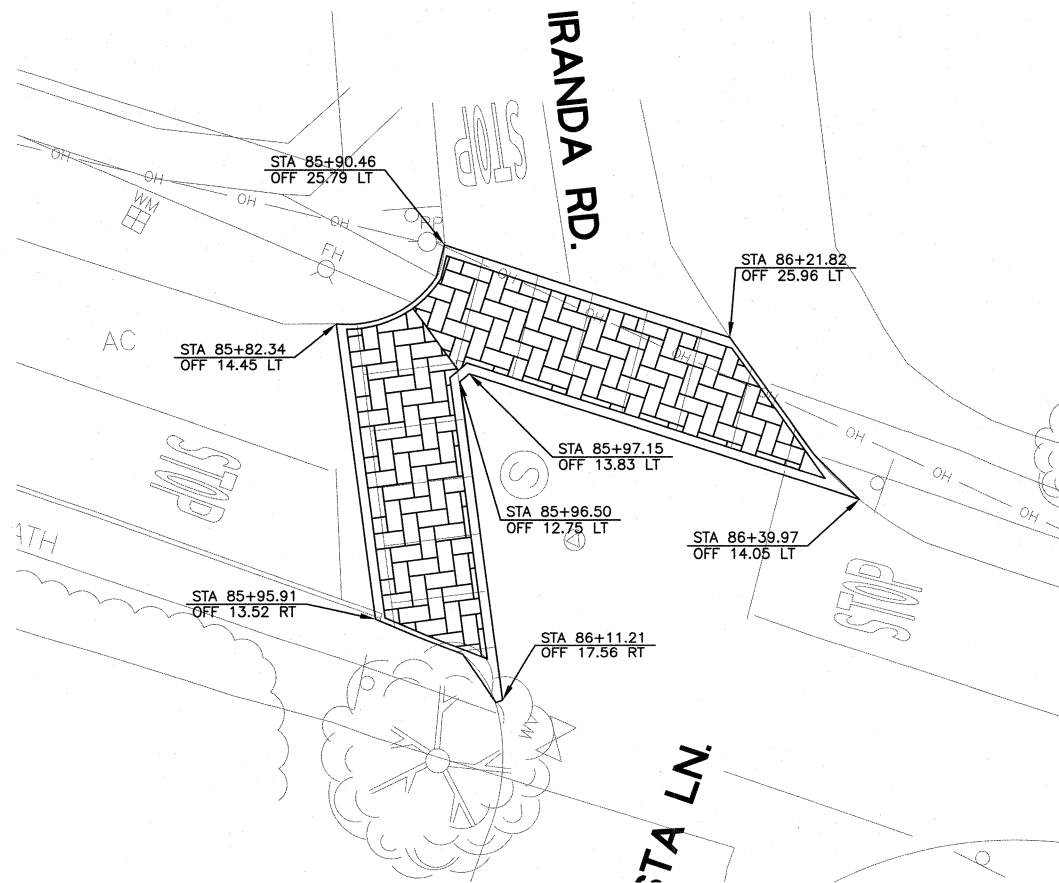
SECTION A-A
N.T.S.

15
PAVER CROSSWALK
N.T.S.

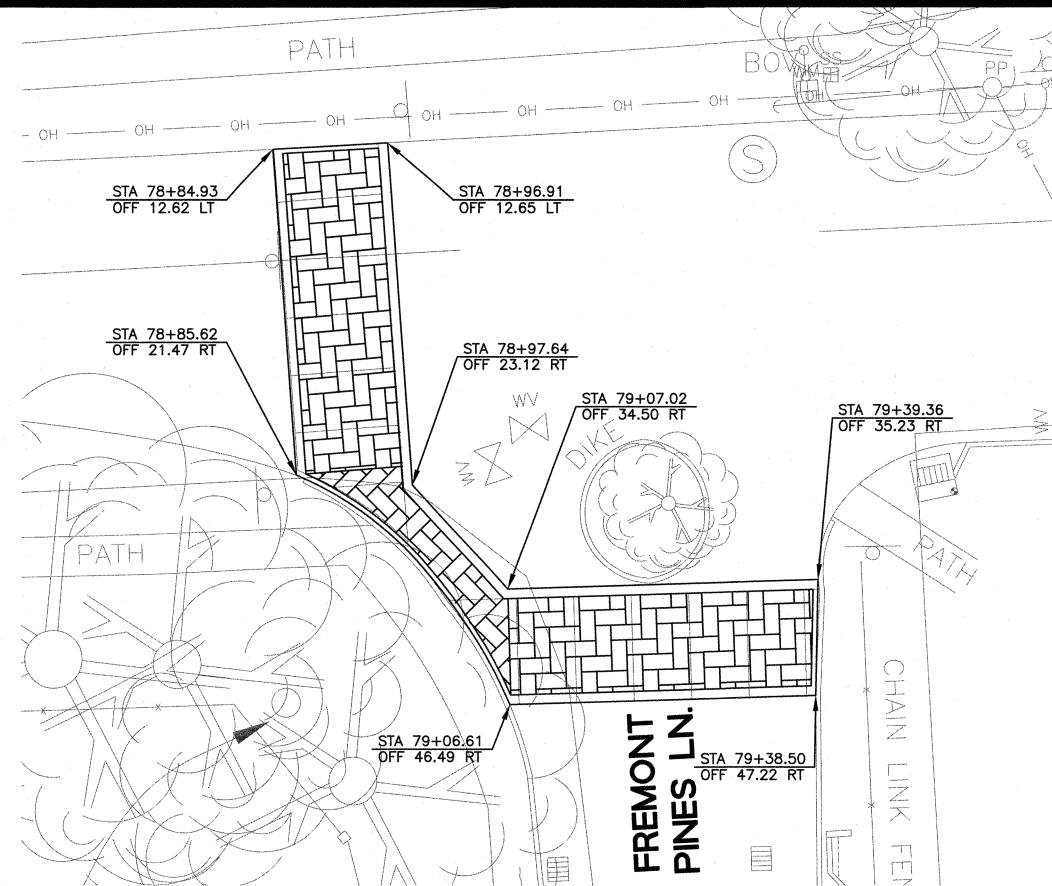
- NOTES:**
- PAVERS SHALL BE PLACED IN A SQUARE HERRINGBONE PATTERN, PARALLEL TO THE LONGITUDINAL DIRECTION OF THE CROSSWALK.
 - ALL REINFORCING BARS SHALL BE #3 BARS.
 - AGGREGATE BASE SHALL BE COMPACTED TO 95% RELATIVE COMPACTION.
 - PAVERS SHALL MEET ASTM C1272-07, TYPE F.
 - CONTRACTOR SHALL CONSTRUCT AN AC CONFORM OF UP TO 3'-FT TO PROVIDE A SMOOTH TRANSITION FROM THE EXISTING AC ROAD TO THE PAVES CROSSWALK.
 - FINISHED GRADE SHALL MATCH EXISTING GRADES.



16 PAVER CROSSWALK
MANUELLA RD
SCALE: 1" = 10'



18 PAVER CROSSWALK
MIRANDA RD
SCALE: 1" = 10'



17 PAVER CROSSWALK
FREMONT PINES LANE
SCALE: 1" = 10'

CONSTRUCTION
DETAILS

SAFE ROUTE TO
LOS ALTOS HILLS
SCHOOLS
LOS ALTOS HILLS, CALIFORNIA

REVISIONS		
NO.	DATE	DESCRIPTION

ON A FULL-SCALE DRAWING,
LENGTH OF BAR BELOW IS 1-INCH.
IF BAR MEASURES LESS THAN
1-INCH, THIS SHEET WAS PLOTTED
AT A REDUCED SCALE, WHICH
MAY REQUIRE ADJUSTMENT OF
SCALE(S) SHOWN ON DRAWING.

PROJECT 11-321	DATE JUNE 11, 2012
DRAWN BY DD/JG	CHECKED BY ES/AC

SHEET NO.

10 OF 16

PLANTING AND
IRRIGATION
STA 60+00 TO 70+00

SAFE ROUTE TO
LOS ALTOS HILLS
SCHOOLS
LOS ALTOS HILLS, CALIFORNIA

REVISIONS

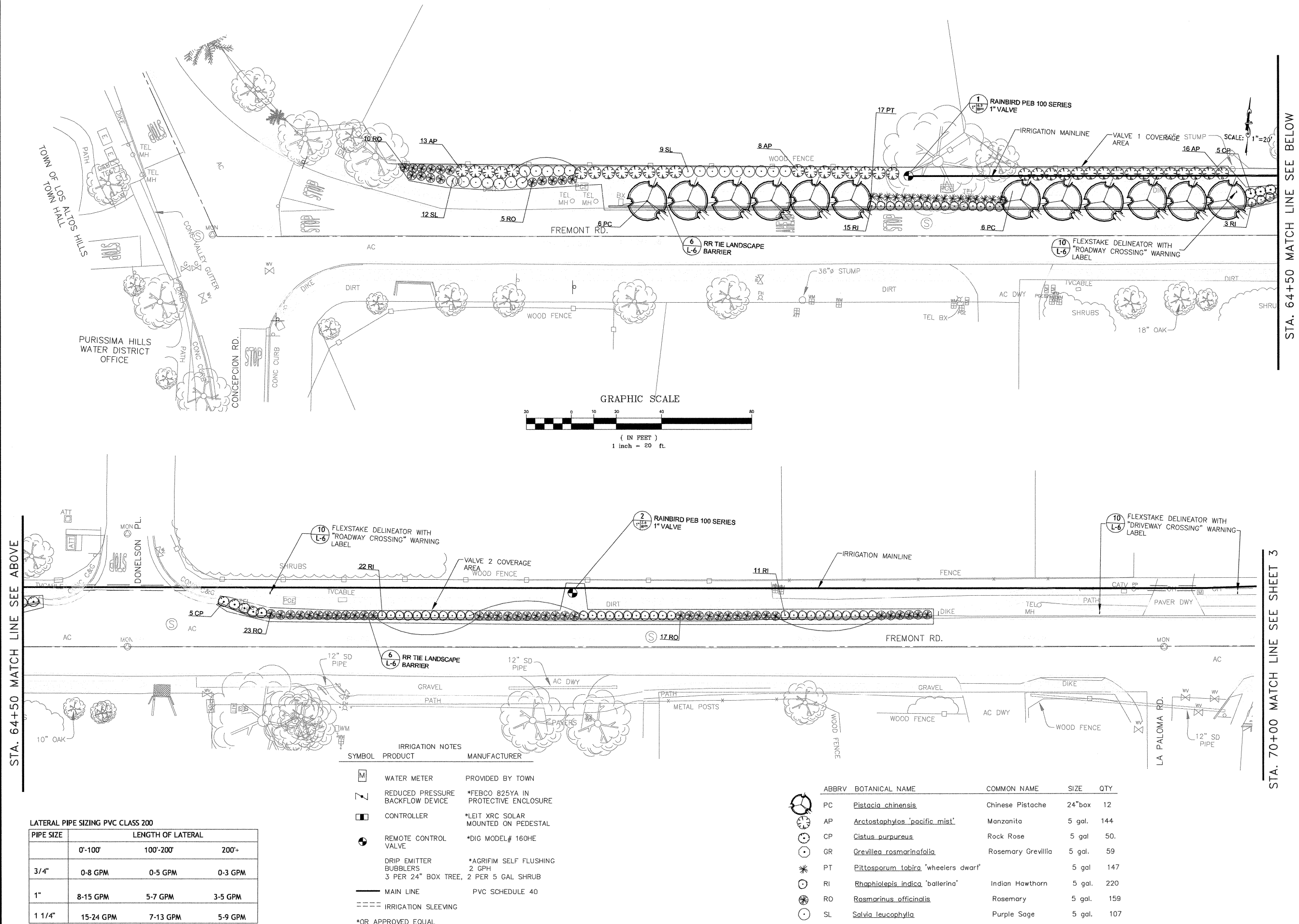
NO.	DATE	DESCRIPTION

ON A FULL-SCALE DRAWING, LENGTH OF BAR BELOW IS 1-INCH. IF BAR MEASURES LESS THAN 1-INCH, THIS SHEET WAS PLOTTED AT A REDUCED SCALE, WHICH MAY REQUIRE ADJUSTMENT OF SCALE(S) SHOWN ON DRAWING.

PROJECT	DATE
11-321	JUNE 2012
DRAWN BY	CHECKED BY
BB	DB/RA

SHEET NO.

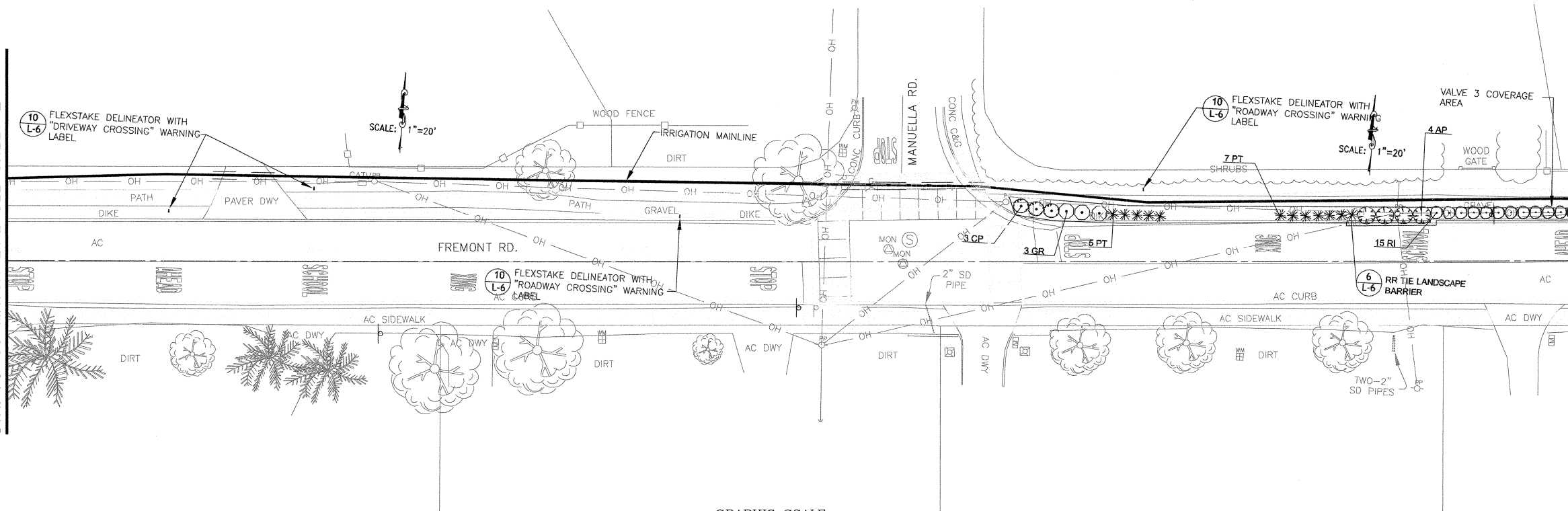
L1 OF 16



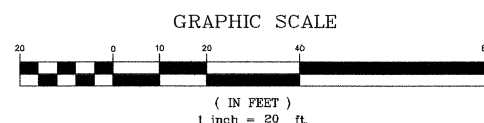
STA. 64+50 MATCH LINE SEE BELOW

STA. 70+00 MATCH LINE SEE SHEET 3

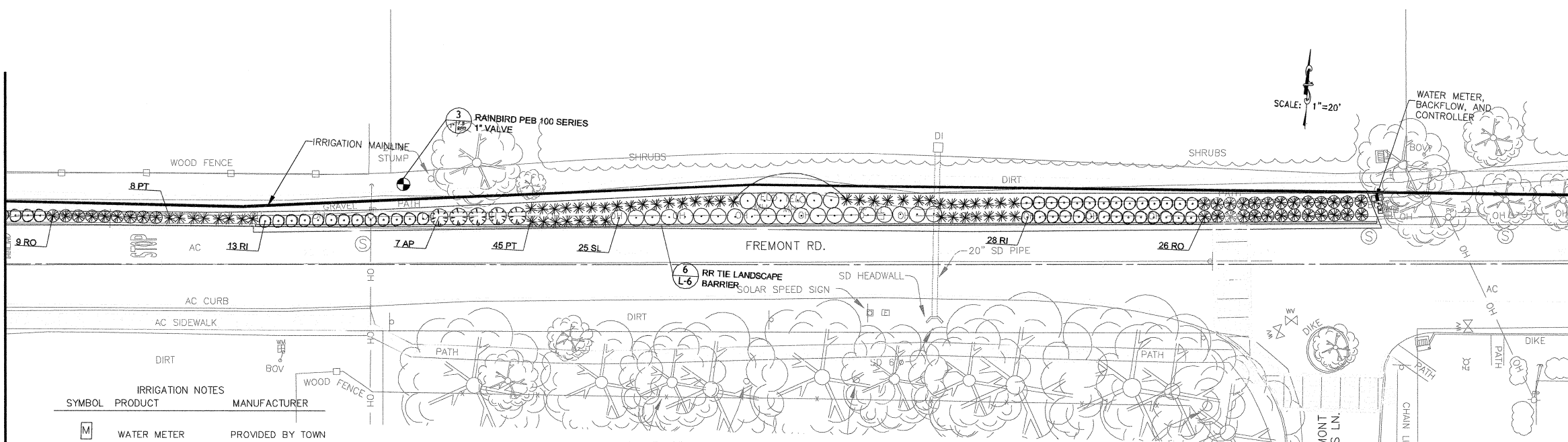
STA. 70+00 MATCH LINE SEE SHEET 2



STA. 75+00 MATCH LINE SEE BELOW



STA. 75+00 MATCH LINE SEE ABOVE



STA. 80+00 MATCH LINE SEE SHEET 4

IRRIGATION NOTES		
SYMBOL	PRODUCT	MANUFACTURER
	WATER METER	PROVIDED BY TOWN
	REDUCED PRESSURE BACKFLOW DEVICE	*FEBCO 825YA IN PROTECTIVE ENCLOSURE
	CONTROLLER	*LEIT XRC SOLAR MOUNTED ON PEDESTAL
	REMOTE CONTROL VALVE	*DIG MODEL# 160HE
	DRIP EMITTER BUBBLERS	*AGRIFIM SELF FLUSHING 2 GPH 3 PER 24" BOX TREE, 2 PER 5 GAL SHRUB
	MAIN LINE	PVC SCHEDULE 40
	IRRIGATION SLEEVING	
*OR APPROVED EQUAL		

PLANT LIST					
ABBREV	BOTANICAL NAME	COMMON NAME	SIZE	QTY	
PC	<i>Pistacia chinensis</i>	Chinese Pistache	24"box	12	
AP	<i>Arctostaphylos 'pacific mist'</i>	Manzanita	5 gal.	144	
CP	<i>Cistus purpureus</i>	Rock Rose	5 gal.	50.	
GR	<i>Grevillea rosmarinifolia</i>	Rosemary Grevilla	5 gal.	59	
PT	<i>Pittosporum tobira 'wheelers dwarf'</i>		5 gal.	147	
RI	<i>Rhaphiolepis indica 'ballerina'</i>	Indian Hawthorn	5 gal.	220	
RO	<i>Rosmarinus officinalis</i>	Rosemary	5 gal.	159	
SL	<i>Salvia leucophylla</i>	Purple Sage	5 gal.	107	

LATERAL PIPE SIZING PVC CLASS 200

PIPE SIZE	LENGTH OF LATERAL		
	0'-100'	100'-200'	200'+
3/4"	0-8 GPM	0-5 GPM	0-3 GPM
1"	8-15 GPM	5-7 GPM	3-5 GPM
1 1/4"	15-24 GPM	7-13 GPM	5-9 GPM

PLANTING AND IRRIGATION

STA 70+00 TO 80+00

SAFE ROUTE TO LOS ALTOS HILLS SCHOOLS

LOS ALTOS HILLS, CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION

ON A FULL-SCALE DRAWING, LENGTH OF BAR BELOW IS 1-INCH. IF BAR MEASURES LESS THAN 1-INCH, THIS SHEET WAS PLOTTED AT A REDUCED SCALE, WHICH MAY REQUIRE ADJUSTMENT OF SCALE(S) SHOWN ON DRAWING.

PROJECT	DATE
11-321	JUNE 2012
DRAWN BY	CHECKED BY
BB	DB/RA

SHEET NO.



SAFE ROUTE TO
LOS ALTOS HILLS
SCHOOLS
LOS ALTOS HILLS, CALIFORNIA

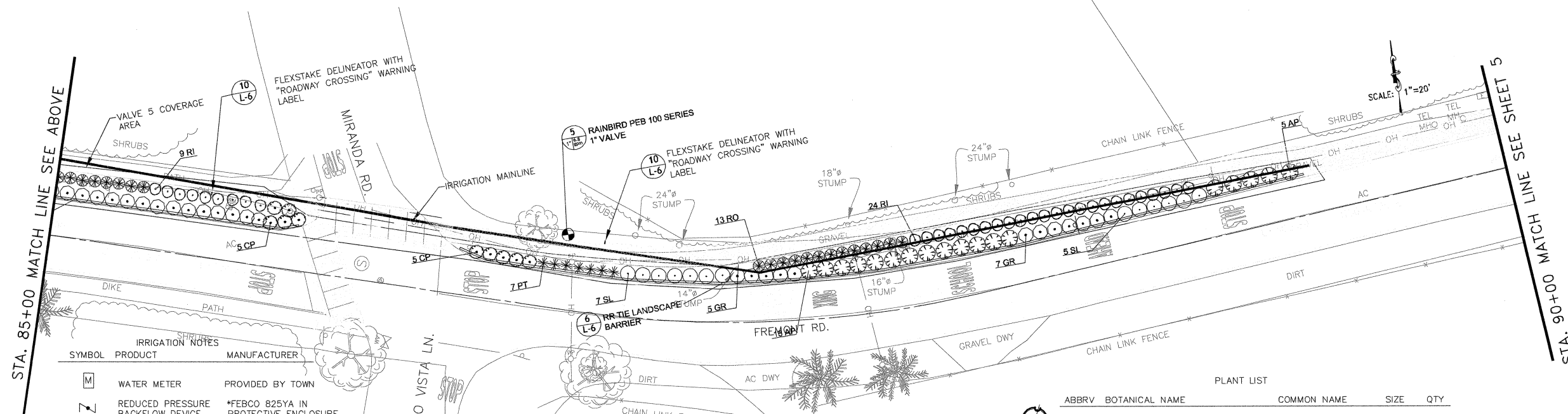
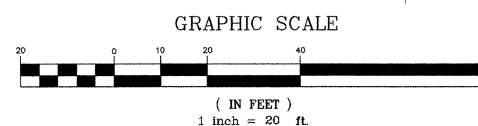
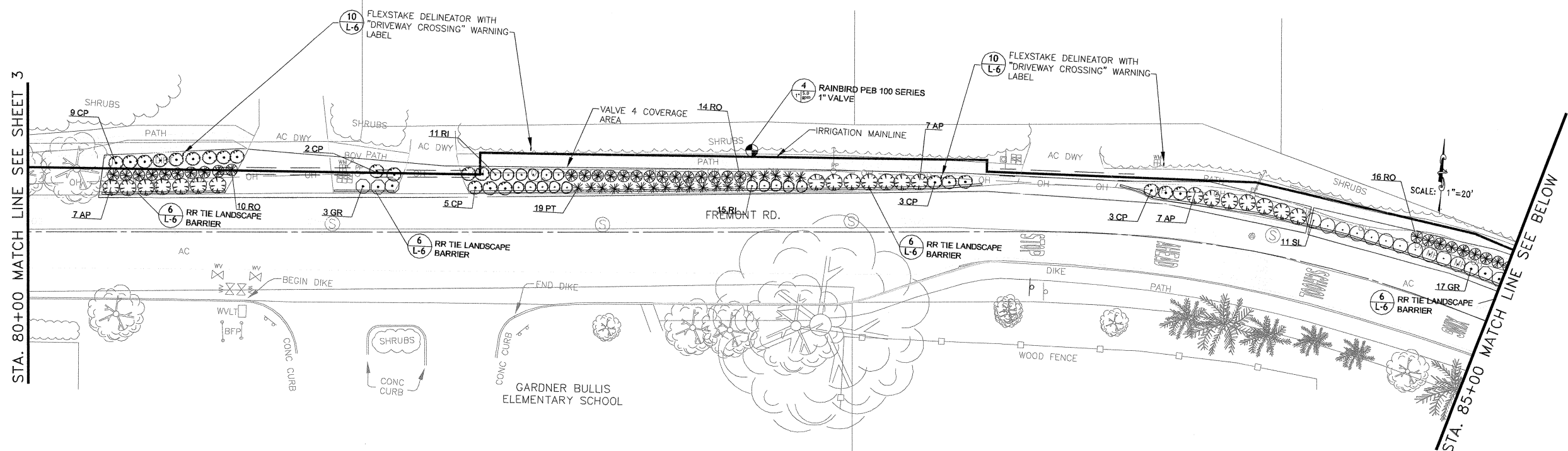
REVISIONS		
NO.	DATE	DESCRIPTION







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PROJECT 11-321	DATE JUNE 2012
DRAWN BY BB	CHECKED BY DB/RA









SHEET NO.

L3 OF 16



IRRIGATION NOTES		
SYMBOL	PRODUCT	MANUFACTURER
	WATER METER	PROVIDED BY TOWN
	REDUCED PRESSURE BACKFLOW DEVICE	*FEBCO 825YA IN PROTECTIVE ENCLOSURE
	CONTROLLER	*LEIT XRC SOLAR MOUNTED ON PEDESTAL
	REMOTE CONTROL VALVE	*DIG MODEL# 160HE
	DRIP EMITTER BUBBLERS 3 PER 24" BOX TREE,	*AGRIFIM SELF FLUSHING 2 GPH 2 PER 5 GAL SHRUB
	MAIN LINE	PVC SCHEDULE 40
	IRRIGATION SLEEVING	

PIPE SIZE	LENGTH OF LATERAL		
	0'-100'	100'-200'	200'+
3/4"	0-8 GPM	0-5 GPM	0-3 GPM
1"	8-15 GPM	5-7 GPM	3-5 GPM
1 1/4"	15-24 GPM	7-13 GPM	5-9 GPM

PLANT LIST					
	ABBRV	BOTANICAL NAME	COMMON NAME	SIZE	QTY
	PC	<u>Pistacia chinensis</u>	Chinese Pistache	24"box	12
	AP	<u>Arctostaphylos 'pacific mist'</u>	Manzanita	5 gal.	144
	CP	<u>Cistus purpureus</u>	Rock Rose	5 gal.	50.
	GR	<u>Grevillea rosmarinifolia</u>	Rosemary Grevillia	5 gal.	59
	PT	<u>Pittosporum tobira 'wheelers dwarf'</u>		5 gal	147
	RI	<u>Raphiolepis indica 'ballerina'</u>	Indian Hawthorn	5 gal.	220
	RO	<u>Rosmarinus officinalis</u>	Rosemary	5 gal.	158
	SL	<u>Salvia leucophylla</u>	Purple Sage	5 gal.	107

PLANTING AND
IRRIGATION PLAN
STA 90+00 TO 99+50

SAFE ROUTE TO
LOS ALTOS HILLS
SCHOOLS
LOS ALTOS HILLS, CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION

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PROJECT	DATE
11-321	JUNE 2012
DRAWN BY	CHECKED BY
BB	DB/RA

SHEET NO.

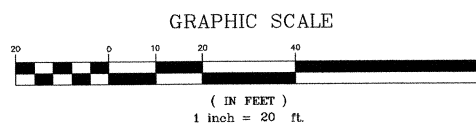
L4 OF 16

STA. 94+00 MATCH LINE SEE ABOVE

STA. 94+00 MATCH LINE SEE BELOW

STA. 99+50 MATCH LINE SEE SHEET 6

STA. 90+00 MATCH LINE SEE SHEET 4

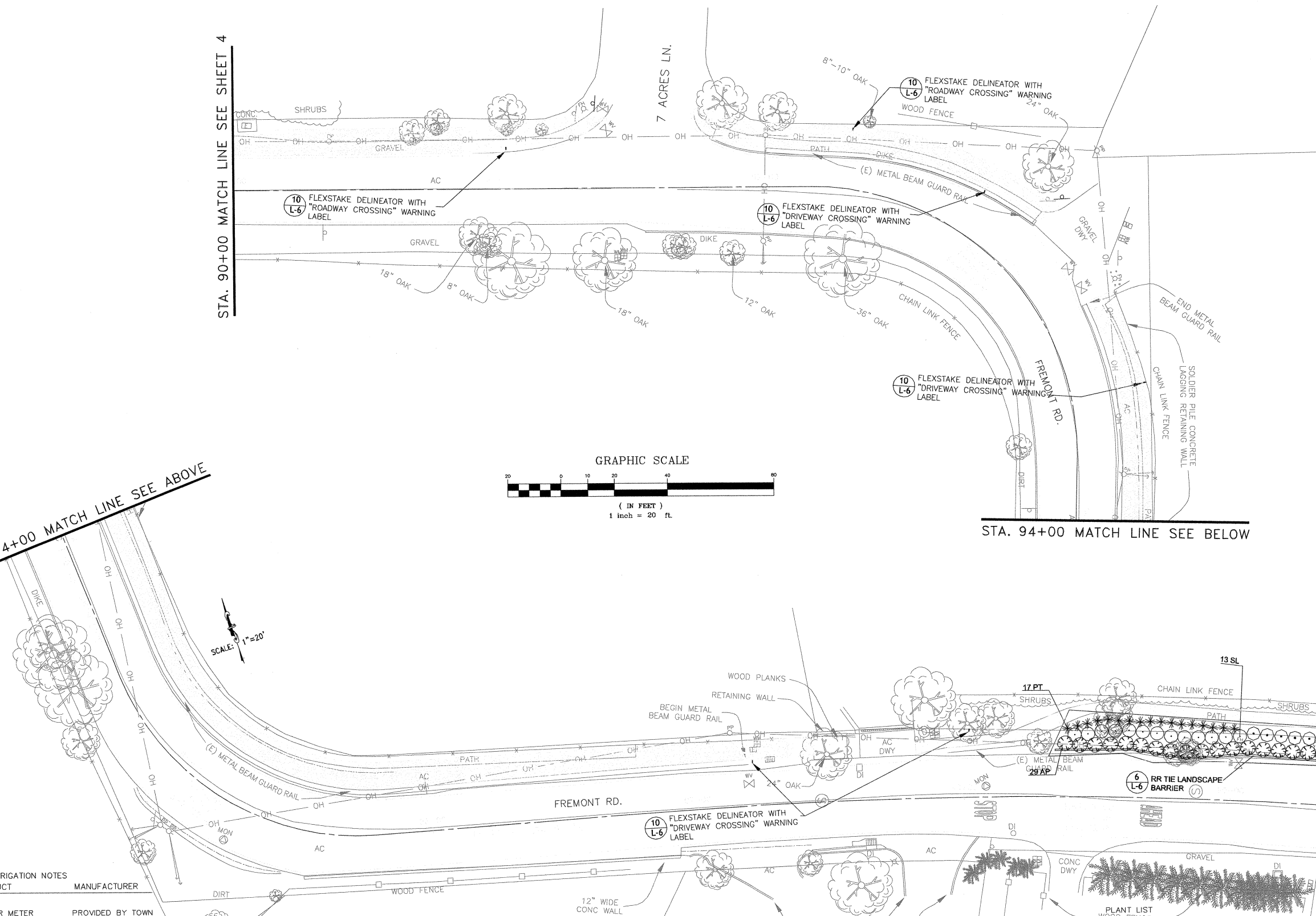


SYMBOL	PRODUCT	MANUFACTURER
	WATER METER	PROVIDED BY TOWN
	REDUCED PRESSURE BACKFLOW DEVICE	*FEBCO 825YA IN PROTECTIVE ENCLOSURE
	CONTROLLER	*LEIT XRC SOLAR MOUNTED ON PEDESTAL
	REMOTE CONTROL VALVE	*DIG MODEL# 160HE
	DRIP EMITTER BUBBLERS	*AGRIFIM SELF FLUSHING 2 GPH
		3 PER 24" BOX TREE, 2 PER 5 GAL SHRUB
	MAIN LINE	PVC SCHEDULE 40
	IRRIGATION SLEEVING	
*OR APPROVED EQUAL		

LATERAL PIPE SIZING PVC CLASS 200

PIPE SIZE	LENGTH OF LATERAL		
	0'-100'	100'-200'	200'+
3/4"	0-8 GPM	0-5 GPM	0-3 GPM
1"	8-15 GPM	5-7 GPM	3-5 GPM
1 1/4"	15-24 GPM	7-13 GPM	5-9 GPM

ABBREV	BOTANICAL NAME	COMMON NAME	SIZE	QTY
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RI	<i>Rhaphiolepis indica 'ballerina'</i>	Indian Hawthorn	5 gal.	220
RO	<i>Rosmarinus officinalis</i>	Rosemary	5 gal.	159
SL	<i>Salvia leucophylla</i>	Purple Sage	5 gal.	107





SAFE ROUTE TO
LOS ALTOS HILLS
SCHOOLS
LOS ALTOS HILLS, CALIFORNIA

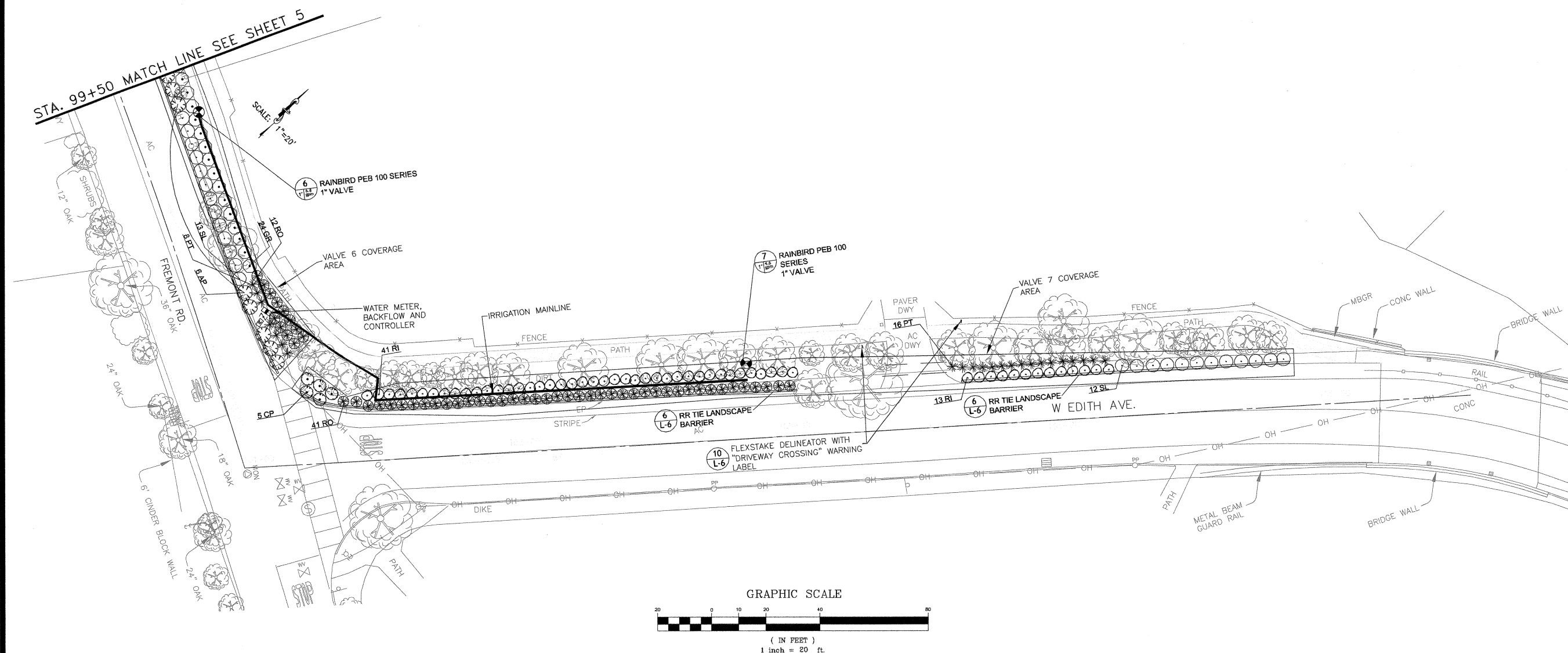
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PROJECT 11-321	DATE JUNE 2012
DRAWN BY BB	CHECKED BY DB/RA

SHEET NO.









L5 OF 16



PIPE SIZE	LENGTH OF LATERAL		
	0'-100'	100'-200'	200'+
3/4"	0-8 GPM	0-5 GPM	0-3 GPM
1"	8-15 GPM	5-7 GPM	3-5 GPM
1 1/4"	15-24 GPM	7-13 GPM	5-9 GPM

IRRIGATION NOTES		
SYMBOL	PRODUCT	MANUFACTURER
	WATER METER	PROVIDED BY TOWN
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	CONTROLLER	*LEIT XRC SOLAR MOUNTED ON PEDESTAL
	REMOTE CONTROL VALVE	*DIG MODEL# 160HE
	DRIP EMITTER BUBBLERS 3 PER 24" BOX TREE,	*AGRIFIM SELF FLUSHING 2 GPH 2 PER 5 GAL SHRUB
	MAIN LINE	PVC SCHEDULE 40
	IRRIGATION SLEEVING	

*OR APPROVED EQUAL

	PLANT LIST				
	ABBRV	BOTANICAL NAME	COMMON NAME	SIZE	QTY
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	RO	<u>Rosmarinus officinalis</u>	Rosemary	5 gal.	159
	SL	<u>Salvia leucophylla</u>	Purple Sage	5 gal.	107

PLANTING AND
IRRIGATION DETAILS

SAFE ROUTE TO
LOS ALTOS HILLS
SCHOOLS

LOS ALTOS HILLS, CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION

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PROJECT 11-321	DATE JUNE 2012
DRAWN BY BB	CHECKED BY DB/RA

SHEET NO.

L6 OF 16

